

no. 1-1912

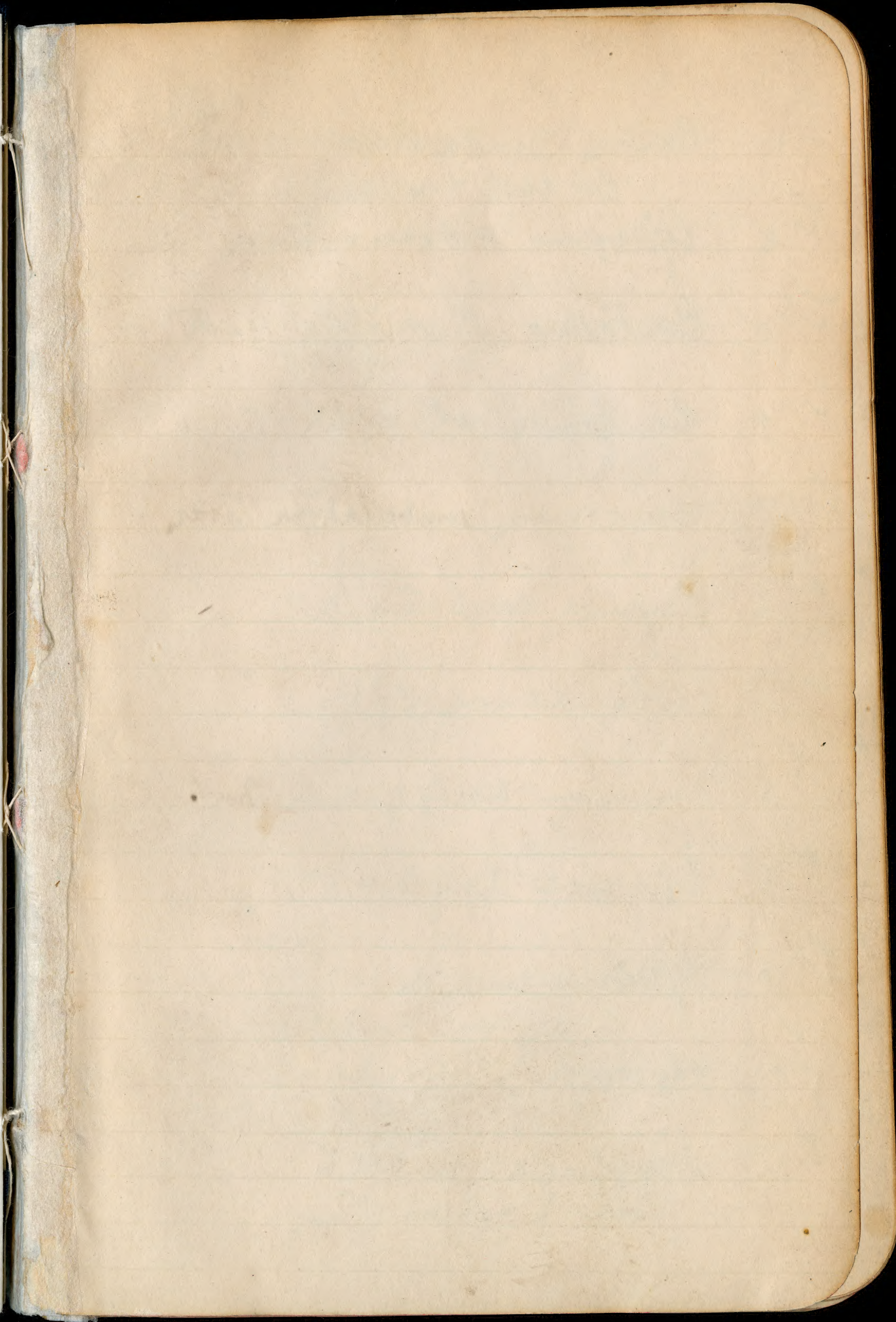
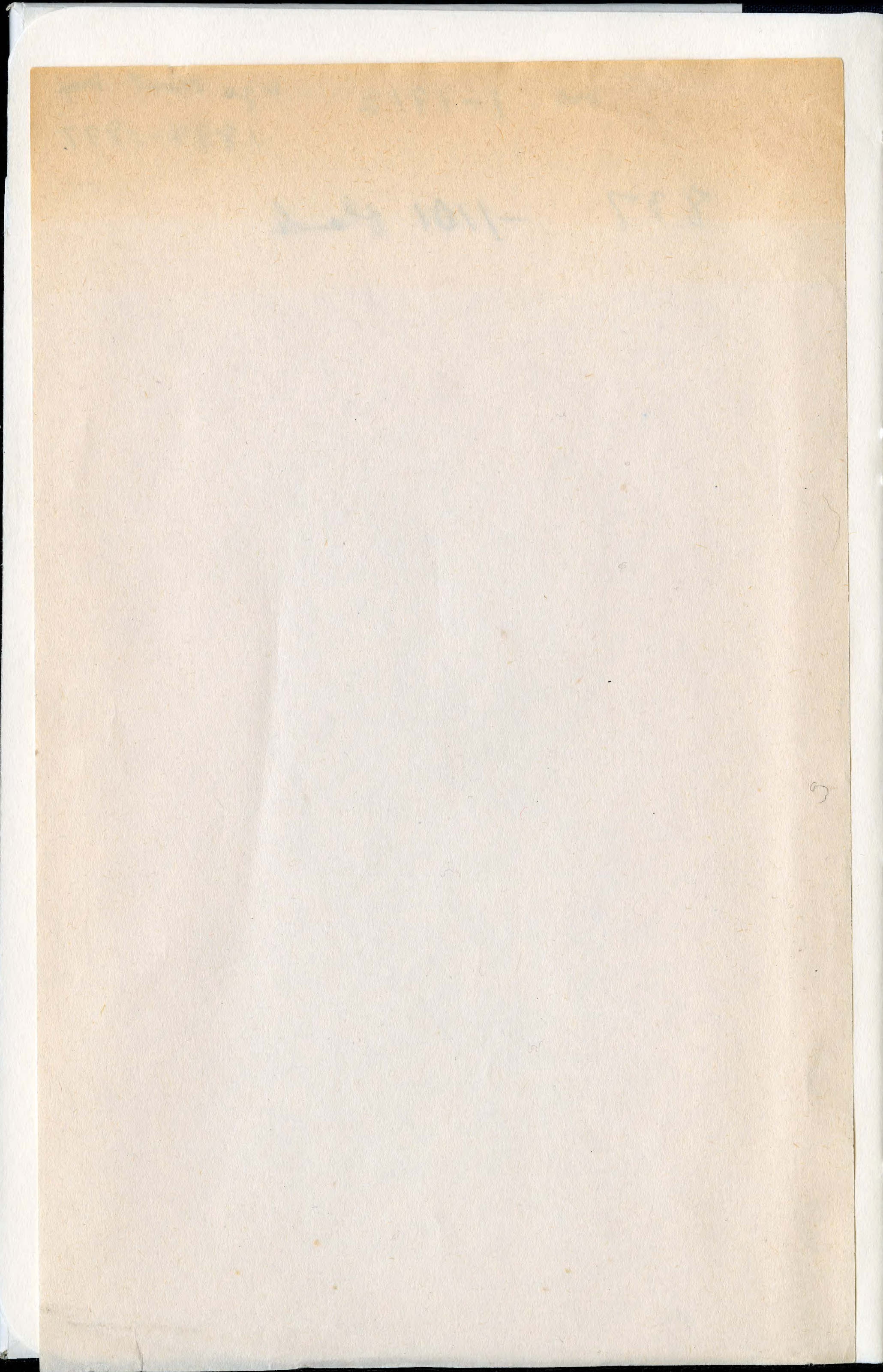
wgo. mont mex

1893-1897

(2)

837

-1101 flanks



- ✓ 1. *Barum Sandreii* B. & H.
On bluff & in valley
- ✓ 2. *Aposynum androsae-nifolium*
- ✓ 3. *Basella linearifolia* Benth
- ✓ 4. *Comfoula rotundifolia*
- ✓ 5. *Eriogonum umbellatum* Torr.
- ✓ 6. *Eriogon caespitosus* Nutt.
- ✓ 7. *Aster Sibiricus* L. ???
- ✓ 8. *Muscium tachyspermum* Nutt.
- ✓ 9. *Clanactis Douglasii* H. & A.
- ✓ 10. *Leptolaema multifida* Nutt.
On bluff on mountain side
- ✓ 11. *Physocarpus Torreyi* Maxim
- ✓ 12. *Saxifraga punctata* L.
Near a mountain spring

Red Lodge Mont July 24

July 24 & 25

July 24 & 25

July 24

✓✓ 13 *Mimulus luteus* L.

In a mountain spring in low wet places

✓✓ 14 *Valeriana sylvatica* Banks

✓✓ 15 *Penicillaria simplex* Nutt.

Common all over the valley

✓ 16 *Pinus contorta* var. *Murrayana* Engelm. ^{Balfour}

On the mountain side

✓ 17 *Pseudotsuga Douglasii* Barr.

x 18 *Pinus flexilis* James

✓ 19 *Juniperus communis* L.

✓✓ 20 *Mimulus Lewisii* Pursh

Along a mountain stream in wet places

✓✓ 21 *Heracleum lanatum* Mx

✓✓ 22 *Salix lasiander*, var. *Fendleriana* ^{Belib.}

✓ 23 *Hebeanthus annuus* L

✓✓ 24 *Theraps Comadensis* L

Red Lodge

July 25 1893

July 26

July 25 -

July 24 -

July 26

July 26 -

- ✓ 25 *Scutellaria galericulata* L
 In a swamp.
- ✓ 26 *Veronica Americana* L.
- ✓ 27 *Carex utricula* var. *minor* Boott.
- ✓ 28 *Juncus xiphioides* var. *triandrus* ^{Engelm.}
- ✓ 29 *Juncus tenuis* Willd
- ✓ 30 *Osmorhiza ruda* Torr
- ✓ 31 *Angelica Lyallii* Watson
- ✓ 32 *Stellaria longifolia* Torr & L
- ✓ 33 *Berberis repens* Lindl
 In dry valley.
- ✓ 34 *Clematis Douglasii* Hook,
- ✓ 35 *Calochortus Gunnisonii* Watson
- ✓ 36 *Lupinus pauciflorus* Nutt

Red Lodge July 26/93

July 26

July 26.

- ✓
✓
37 *Amelanchier alnifolia* Nutt.
- ✓
✓
38 *Thalictrum Fendleri* Engelm.
- ✓
✓
39 *Lychnis Drummondii* ^{Watson} ~~Robinson~~
- ✓
✓
40 *Geranium*
- ✓
✓
41 *Aster laevis* var *Grayi* Gray
Along the creek above the town
- ✓
✓
42 *Lesquerella Ludoviciana* Watson
Along hillsides
- ✓
✓
43 *Phacelia benzoesii* Torr.
- ✓
✓
44 *Lithospermum fulvum* Nutt.
- ✓
✓
45 *Senecio macrophyllum* Willd.
- ✓
✓
46 *Beiflearum Americanum* C. & R.
Common everywhere.
- ✓
✓
47 *Arnica longifolia* Eaton.
- ✓
✓
48 *Cymopterus Leveinii* Th. Muhl.

Red Lodge

July 26

July 25 -

July 25 -

July 26

July 27

- ✓✓ 49 *Linum perenne* L.
 ✓✓ 50 *Hyssopus ambiguus*
 ✓✓ 51 *Gaillardia aristata* Pursh
 ✓✓ 52 *Rubus strigosus* Michx.
 ✓✓ 53 *Julia linearis* Gray
 ✓✓ 54 *Clematis verticillaris* DC.
 ✓✓ 55 *Linum cordifolium* Hook.
 ✓✓ 56 *Rudbeckia hirta* L.
 ✓✓ 57 *Comandra pallida* Nutt.
 On dry places. Common.
 ✓✓ 58 *Panicum capillare* Watson
 On the top of small mountains.
 ✓✓ 59 *Actaea spicata* var. *arguta*
 ✓✓ 60 *Galium boreale* L.

Red Lodge

July 27 / 93

July 28.

July 29

July 27 ✓

✓
✓
✓ 61 *Spariflorum* Juncz.
Along a mountain stream.

✓
✓ 62 *Parnassia fimbriata* Banks

✓
✓ 63 *Ribes*

✓
✓ 64 *Silene maritima*

✓
✓ 65 *Eragrostis confinis*

✓
✓ 66 *Sama coccinea* Nutt

✓
✓ 67 *Ribes cereum* Dougl

✓
✓ 68 *Ribes viscidifolium*

✓
✓ 69 *Cystopteris fragilis*

✓
✓ 70 *Cystopteris fragilis*

✓
✓ 71 *Alpina* var *occidentalis* Gray

✓
✓ 72 *Betula folia* var
erythrocarpa Watson

July. 28

✓ 73 *Cyrtanthus speciosus*

✓ 73⁵⁴ *Pragnis visca* L

✓ 74 *Kentia glomerata* Gray

✓ 75 *Astragalus adungens* Pall.

✓ 76 *Phagnolia confertifolia* Gray

✓ 77 *Cicatanum flavum* Nutt

On dry hillsides

✓ 78 *lanceolatum* DC

✓ 79 *Senecio aureus* var. *croceus* G

✓ 80 *Rosa Alaska*

✓ 81 *Rosa Sayi*

✓ 82 *Pyrola pecta* Smith

✓ 83 *Pyrola elliptica* Nutt *secunda* L

July 25/83

July 28th

July 28.

July 28

July 25 - 29

✓✓ 85 *Populus tremuloides* Michx.
Along all the streams

✓✓ 86 *Populus balsamifera* L. var. *marilandica* (Mill.) B.S.P.

✓✓ 87 *Senecio canus* Hook.

✓✓ 88 *Arabis perfoliata* Lam.

✓✓ 89 *Erysimum punctatum* Nutt.

✓✓ 90 *Salix longifolia* Muhl.
Along stream

✓✓ 91 *Eriogonum ovalifolium* Nutt.
On dry banks

✓✓ 92 *Linum catharticum* L.

✓✓ 93 *Myosotis sylvatica* Hoff. var.
On top of a small mountain.

✓✓ 94 *Arctostaphylos Uva-ursi* Spreng
In valley

✓✓ 95 *Epilobium coloratum* Muhl.

✓✓ 96 *Vaccinium Myrtillus* var. *microphyllum* Hook.
Common

July 25-29

July 25-29

July 28

July 28

Red Lodge Mount. July 29 / 1893
Only one specimen seen.

✓97 *Eriogonum macranthum* Nutt

✓98 *Pyrola rotundifolia* L
Along stream

✓99 *Hieracium albidiflorum* Hook ^{Compositae}

✓100 *Carex deflexa* var. *media* Bailey -
On top of mountains

✓101 *Solidago canadensis* L.

✓102 *Sisymbrium incisum* Engelm. ^{Cruciferae}

✓103 *Prosartes hachycarpus* Watson

✓104 *Prunus Virginica* L
In dry valley

✓105 *Aquilegia flavescens* Nutt.
Along mountain stream

✓106 *Pentstemon Lyallii* Gray

✓107 *Allenium cernuum* Roth
On mountain top

✓108 *Castilleja pauciflora* Bong

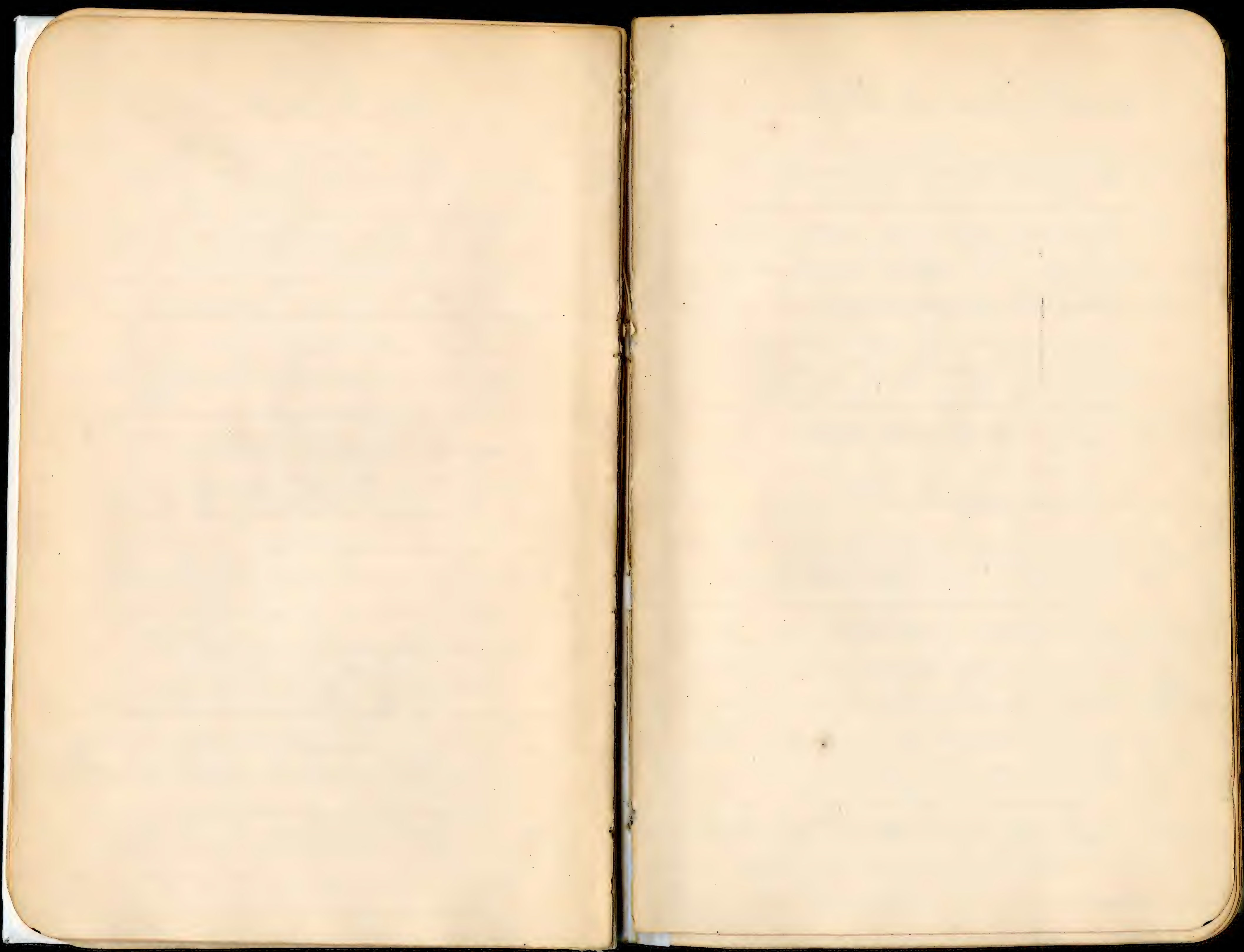
July 28

"

July 29

July 24 & 29

July 25



- ✓✓ 109 *Castilleja miniata* Dougl.
- ✓✓ 110 *Alnus incana* Virens const. Watson
Below valley
- ✓✓ 111 *Betula glandulosa*, Michx.
In the upper valleys
- ✓✓ 112 *Potentilla gracilis* Dougl.
- ✓✓ 113 *Alum. Saponaria* Vaccaria L
In shrubs also at Billings
- ✓✓ 114 *Sedum stenophyllum* Pursh
- ✓✓ 115 *Habenaria hyperborea* R. Br.
- ✓✓ 116 *Solanum triflorum* Nutt
Along water ditch.
- ✓✓ 117 *Erythronium canescens* Nutt
- ✓✓ 118 *Dentzelia barnebyi* J. & S.
Along alkali tanks not common
- ✓✓ 119 *Lactuca pulchella* DC.
Along water ditch.
- ✓✓ 120 *Echinospermum* ~~Pursh~~ Redowskii var. occidentalis Wats.

July 26

July 27

July 28

July 28

July 29

a r i July 31

July 29

Marquette Hwy

Aug 4 '93

Also seen this side of Red Lodge

✓
121 *Lygodesmia juncea* Don,
Alon dete

✓
122 *Oenanthe tricoealyx* Nutt

✓
123 *Abromia maritima* Torrey

✓
124 *Eleocharis palustris* R. & S.
In alkali spring

✓
125 *Scirpus Americanus* Pers.

✓
126 *Juncus bufonius* L.

✓
127 *Artemisia ~~artuscula~~ Nutt* *pedatifida* Nutt
Common among wheat

✓
128 *Aster canescens* var. *viscosus* Gray.

✓
129 *Atriplex Nuttallii* Nelson

✓
130 *Troximon*

✓
131 *Parnassia parviflora* DC.

✓
132 *Oxybaphus angustifolius* L.

Marquette Nys

Aug 3 / 93

On Marquette creek.

Aug 4

Aug. 4

Aug. 4

Aug. 4

Marquette

New Belknap River

Aug 6.

Aug 6th

✓ 133 *Zygadenus elegans* Pursh
just at the base of high bluff

✓ 134 *Argemone discolor* Confdia

✓ 135 *Acer glabrum* Torr.

✓ 136 *Saxifraga caespitosa* L.

✓ 137 *Aster foliaceus* Lindl

✓ 138 *Sagina Linnaea* Presl.

✓ 139 *Agrostis scabra* Willd.
Along creek bottom

✓ 140 *Pyrola rotundifolia* L

✓ 141 *Aster glaucus*
Very common

✓ 142 *Sambucus racemosa* L

✓ 143 *Carex filiformis* var. *latifolia* Boeckl.

✓ 144 *Pentstemon montana*, Greene.

Camp 3 On the I. ha road
surfact above camp. 2

Aug 5/93

Aug. 8

Near Camp 3

Northwestern Wyoming (near Camp 3) Aug. 8.

Camp 2

Aug 7/93

About one mile before Camp 4 was reached

Aug 9

✓ 145 *Momordica uniflora* Benth
altitude about 1400

✓ 146 *Myrica amplexicaulis* Nutt.
In woods

✓ 147 *Physaria deltoidea* Gray

✓ 148 *Senecio canus* Hook

✓ 149 *Astragalus tagetarius* Watson

✓ 150 *Juncus mertensianus* Bong.

✓ 151 *Pedicularis racemosa* Engl

✓ 152 *Arnica cordifolia* Hook

✓ 153 *Parnassia fimbriata* Banks

154

✓ 155 *Mitella pentandra* Hook

✓ 156 *Veronica serpyllifolia* L

Between Camp 3 & 4

Aug 9

Camp 4

Aug 9

Aug 9

Aug. 9.

Aug. 9

- ✓
✓ 157 *Senecio Fremonti* J & S.
- ✓
✓ 158 *Astragalus Alpina* L
- ✓
✓ 159 *Androsace septentrionalis* L
- ✓
✓ 160 *Anemone dioica* var *rosea* Eaton
- ✓
✓ 161 *Pentstemon glaucus* Graham
- ✓
✓ 162 *Castilleja conferta* var *caerulea conferta* Gray
- ✓
✓ 163 *Ribes Hudsonianum* Richards
- ✓
✓ 164 *Pedicularis leroi* Lindley & Pursh
- ✓
✓ 165 *Calochortus ~~montanus~~ nitidus* Dougl.
Very common to the flowers white
- ✓
✓ 166 *Salix Brownii* var. *petraea*
- 167 -
- ✓
✓ 168 *Angelica pinnata* Watson

Aug. 9

Camp 5 Mts Aug 10 1913

On the way to Camp 5 Beyond

On the divide

Aug. 10.

to National Park

Aug 10 - 12

✓
✓ 169

Penstemon dmflx

✓
✓ 170

Sedum Barclayi, Anders.

✓
✓ 171

Claytonia Chamissonis Esch

✓
✓ 172

Junceoides parviflorum Coville

✓
✓ 173

Aconitum columbianum Nutt.

174

Libinia subalpina

Not very common see cones

✓
✓ 175

Campanula aurea, Nutt.

In the swamps

✓
✓ 176

Oniscus Hookerianus Gray.

✓
✓ 177

Salix linearis Sw.

✓
✓ 178

Erigeron armeriaefolius Turcz.

✓
✓ 179

Senecio lugens var. *foliosus* G.

✓
✓ 180

Senecio Fremonti J & G.

At Lake Park

On the way to Camp 5

Aug 10 93

Camp 5 Aug 10.

Near Yellowstone Lake

Aug 11 93

Aug 11

East of the divide

Aug 9

National Park

Aug 12

Aug 13

✓✓ 181 *Ernicus Hookerianus* Gray.

✓✓ 182 *Eriogon lanatus* Hook

✓✓ 183 *Eriogon*

✓✓ 184 *Polemonium Confertum* Gray

✓✓ 185 *Eriogon uniflorus* L

✓✓ 186 *Smilacina calycina* A. C. Meyer.

✓✓ 187 *Stellaria longipes var. laeta* Torr.

✓✓ 188 *Spraguea umbellata* Torr.

✓✓ 189 *Ligusticum filicinum* Watson.

✓✓ 190 *Aster Engelmanii* Gray

✓✓ 191 *Lupinus Platanus* Watson

✓✓ 192 *Astragalus alpinus* L

Aug. 13

Aug. 13 + 24

Aug. 15

Aug. 12

Camp 6

- ✓
✓
193 Claytonia lanceolata Pursh
In damp soil ground between fragments
- ✓
✓
194 Saxifraga nivalis
- ✓
✓
195 " ascendens L.
- ✓
✓
196 " nivalis L.
- ✓
✓
197 Cystopteris fragilis Beck.
- ✓
✓
198 Peucedanum coultii
Among dry rock on hillside
- ✓
✓
199 Juncus subtriflorus Coville
In a mountainous region
- ✓
✓
201 Galium pycnanthemum Gray
- ✓
✓
202 Ranunculus glaberrimus Hook
- ✓
✓
203 Potentilla dissecta Pursh
- ✓
✓
204 Sibbaldia procumbens L.
- ✓
✓
205 Linnaea borealis L.
In woods along the lake

Aug 7

Aug 14/93

Aug. 14.

Aug. 14

Aug. 14

1900

Aug. 14

Aug. 24

Aug. 13 & 14

National Park

Aug 15-16

✓
✓ 205 *Allium brevistylum* Watson

✓
✓ 206 *Lygadea* ~~Heister~~ *elegans* Pursh
(change of leaf)

✓
✓ 207 *Ligustrum* *filicum*
Along streams

✓
✓ 208 *Orthocentrus luteus* Nutt.
In meadows

✓
✓ 209 *Thalictrum Fendleri* Engelm.
In wooded hillsides

210

✓
✓ 211 *Alphonium bicolor* Nutt.
On gravelly hillsides

✓
✓ 212 *Juncus subtriflorus* Coville
Along streams in woods

✓
213 *Medea glomerata* Hook
On dry hillsides along Pelican creek

✓
✓ 214 *Pearsonia speciosa* Gray

✓
215 ^{*Polygonum*} *littorale*, Link
Along the banks

✓
✓ 216 *Taraxacum longipes* Nutt.
In dry meadows

Aug. 15-

Aug. 15-

Aug 16

Aug. 16-

Aug 17 1883

Pelican

Imbrial Springs

Pelican creek

✓
✓ 217 *Oxthocarpus pilosus* Watson

✓
✓ 218 *Carex* ()

✓
✓ 219 *Carex utricula* var. *minor* Boott.

✓
✓ 220 *Galium linearis* Gray

✓
✓ 221 *Galium uniflorum* var. *phagnalicoides* Gray

✓
✓ 222 *Bromus brevicastratus* (Hook.) Kunth.
On dry hillsides

✓
✓ 223 *Spizidium spicatum* (L.) Scribn.

✓
✓ 224 *Agrocyrum glaucum* R. & S.

✓
✓ 225 *Betula glandulosa* Michx.
Rather common

✓
✓ 226 *Cornus canadensis* L.

✓
✓ 227 *Corythium grandiflorum* Pursh.
In woods near camp 10 etc

✓
✓ 228 *Mimulus* *moschatatus* Dougl.
In woods

Clear creek

Aug 17

Aug 16

Yellowstone Nat. Park (dry hillsides) Aug. 16.

Yellowstone Nat. Park Aug. 16

Yellowstone Nat. P. (dry hillsides) Aug. 16

Camp 11

Aug 18 1893

Very common

Aug 16 & 14

Aug 18

Camp 11

✓
✓ 229 *Epilobium subfucatum* Nutt
Along the sandy bottom of Laramie creek.

✓ 230 *Geranium latius* var.

✓ 231 *Salix pallida* Anders
Along the banks of Laramie creek

✓ 232 *Pseudocymus smfly* Nutt
On dry hillsides alt 9500 ft.

✓ 233 *Allium Tolmiei* Baker
with 232

✓ 234 *Agropyrum scribneri* Vasey.
alt 10000

✓ 235 *Eriogonum ovalifolium* Nutt
Wet meadow near N. of Camp 11

✓ 236 *Oxytropis Pungii* Gray

✓ 237 *Myosotis sylvatica* var *alpestris* Koch

✓ 238 *Juncus subtriflorus*, Coville.

✓ 239 *Trisetum spicatum* (L.) Scribn.
In dry places alt 10000

✓ 240 *Alopecurus aculeatus* var *globatus* Eaton
In dry places alt about 10000

Camp 11
common

Aug 11 / 1913

Aug. 19.

near Camp 11

Aug 19 1913

Yellowstone Nat. P. (North of Camp 11) Aug. 19

Aug. 19

Aug. 19

Yellowstone Nat. Park (near Camp 11) Aug. 19

✓ 241 *Arnica longifolia* Eaton

✓ 242 *Arnica alpina* Olin

✓ 243 *Senecio aureus* var *Croceus* Gray
In woods.

✓ 244 *Geranium Richardsonii* Fisch. & Mey.
In woods

✓ 245 *Geranium incisum*
In woods

✓ 246 *Solidago missouriensis* var *montana* Gray

✓ 247 *Aphyllon uniflorum* Gray

✓ 248 *Pentstemon montana* Greene.
Among rocks

✓ 249 *Buckelia grandiflora* Nutt

✓ 250 *Erigeron armeriaefolius* Turcz.

✓ 251 *Polygonum viviparum* L

✓ 252 *Pentstemon confertus* var *caeruleo-purpureus*
Common

Dec 13 N.Y.

Aug 22 1893

" Dec 13

Aug 23

Aug. 23

- ✓ 251 *Arctostaphylos uva-ursi* Spreng
Very common
- ✓ 252 *Saxifraga bronchialis* L.
On high peak near boundary 9500 feet
- ✓ 253 *Saxifraga caespitosa* L.
Rare
- ✓ 254 *Potentilla dissecta* Pursh
Rare
- ✓ 255 *Alchemilla Schrenkianae* L.
Along road, Soda Butte Creek
- ✓ 256 *Aster integrifolius* Nutt.
On the high divide between the mts.
- ✓ 257 *Lychnis viscaria* Eaton
- ✓ 258 *Lychnis glandulosa* Nutt.
- ✓ 259 *Eriogonum salicifolium* Gray
- ✓ 260 *Arnica alpina* Olin
- ✓ 261 *Aster foliaceus* Lindl.
- ✓ 262 *Vaccinium myrsinites* var.
Also on *Arnica*

Aug 24 / 93

Common

S. caesia, *bronchialis* & *caespitosa* in one clump

Thyrs.

Aug 25 1993

Aug 25 1993

Aug 25 1993

Aug 25 1993

269- *Vaccinium myrtilloides* Hook

Bellum Cernaeum Roth

247 *Silene Douglasii* Hook.

On side of mountain South of Camp 14

268 *Polemonium* *humile* var *pulchellum* Gray

Van G. 15

268 *Aster* *compesitris* Nutt.

On the South Slope of the "Needles"

✓ 270 *Pestuca ovina ingrata* Hack.

Elymus sitarion Schultes.

✓ 272 *Ribes viscosissimum* Pursh.

298 *Lepturus argenteus decumbens* Watson

Above Camp 13, ^{East} side about 4000

✓ 272 *Penicillium notatum* Nutt.

On day Sunday hills along beach road.

2570 *Myrica sylvatica* var *alpestris* Koch

On the divide between the Lake & Grandall Creeks

✓ = 76 *Sensio Crasulac Gray*

Myr

Aug 26 / 87

Glans very weak, tracing

Myo. Simple Resumer

Aug. 28 / 82.

Timber Reserve: (near east line Y. N. P.) Aug. 20

Timber Reserve (" " " " ") " 30

Aug 26 1902

Imke Rose Thye

Aug 27

275

278 *Rosa reflexa* Vasey & Scribn.

279 *Phacelia sericea* Gray

280 *Phacelia circinata* Jacq. f.

281 *Leavenworthia velutina* var. *laevigata* J. & B.

Common along Randall creek.

282 *Cercocarpus divergens* J. & B.

Common along Randall creek.

283 *viscosissimum* Pursh -
~~*sanguineum* var. *variegatum* Watson~~

284 *Salix flavescens*, Nutt.

Common along Randall creek.

285 *Alnus incana*, var. *virescens* W.

286 *Celtis occidentalis*

High Mt. mountains, 11,000 ft.

287 *Alnus alnobetula*

High Mt. mountains

288 *Viola praemorsa* var. *venosa* Gray

High Mt. mountains, 11,000 ft.

Timber Reserve (between Cache Creek & Crandall Creek) Aug. 29.

Timber Reserve

Aug. 30 1893

Aug. 30

Aug. 30

High Mt. mountains, 11,000 ft.

High Mt. mountains

Aug. 31

Aug. 30 1893

Aug. 31

✓✓ 289 *Physaria didimocarpa* Gray
mountain meadow

✓✓ 290 *Geum Rossii* Seering

✓✓ 291 *Dodecatheon pauciflorum* Greene.

✓✓ 292 *Silene acaulis* L.

✓✓ 293 *Lupinus argenteus* var *decumbens* Watson

✓✓ 294 *Smelowskia calycina* C. A. Meyer
alt 15000

✓✓ 295 *Arabis glacialis* Adams

✓✓ 296 *Draba* ~~unsp.~~ sp.

✓✓ 297 *Krynitzkia glomerata* Gray
alt 15700

✓✓ 298 *Chamaecrista Douglasii* var *alpina*
cliff

✓✓ 299 *Draba glacialis* Adams.

✓✓ 300 *Crepis nanus* Richards

Aug 31

Aug. 31.

Aug. 31

✓✓ 301 *Cornus alternifolia* Michx.
On the banks of Lodge Pole Creek

✓✓ 302 *Shepherdia canadensis* Nutt.

✓✓ 303 *Ashus confucius* Lindl.

✓✓ 304 *Piglowia Douglasii* var. *tortifolia* Gray

✓✓ 305 *Artemisia tridentata* Nutt.

✓✓ 306 *Potentilla fruticosa* L.

✓✓ 307 *Nasturtium obtusum* Nutt.
Along the banks of Lodge Pole Creek

✓✓ 308 *Ranunculus macounii* Brit.

✓✓ 309 *Ribes samburifolium* C. & S.

✓✓ 310 *Ribes Hudsonianum*, Richards.
Along Lodge Pole Creek

✓✓ 311 *Ribes lacustre* var. *parvolum*

✓✓ 312 *Byltonia gracilis* var. *albicaulis*
Along the banks of Lodge Pole Creek

In the Reserve

Sept 1, 1873

In the Reserve

Sept - 2 / 1873

Sept. 2

Sept. 2.

Only one specimen seen, about 1 ft. high

✓ 313 *Sparganium minimum* Baubin
✓ I slow growing stream, floating
✓ *Utricularia vulgaris* L.

Chora

✓ 316 *Eriophorum polystachion* L.

✓ 317 *Swertia perennis* L.

In swampy places

✓ 318 - *Hippurus vulgaris* L.

✓ 319 *Melica bulbosa*, Geyer.

✓ *Artemisia frigida* Willd.

In dry hillsides

✓ *Sisymbrium canescens*, Nutt.

✓ *Lesquerella Ludoviciana* Watson

✓ *Crabium Halbaellii* Hornem
✓ *canescens*, Nutt.

✓ *Barium canescens* B. & H.

Sept 3 1893

near the lake 1849

Sept. 3.

Yellowstone Nat. Park.

Aug. 16.

Sept. 4.

Sept. 3.

✓ 321 *Pellaea Breweri* Eaton

✓ 322 *Pentstemon confertus* ^{var?}

✓ 327 *Prænitella gracilis* Dougl.

✓ 328 *Carex variabilis* Bailey.

✓ 329 *Streptopus amplexifolius* DC.

✓ 330 *Lupinus occidentalis* var. *tenellus* Gray.

✓ 331 *Salix triflora* Michx.

✓ 332 *Elymus glaucus* Buckley

✓ 333 *Poa nemoralis* L.

✓ 334 *Alopecurus*

✓ 335 *Eriogonum flavum* Nutt.

✓ 336 *Eriogonum macranthum* Nutt.

Hypoc. near N.E. cor. of T. R.

Long for *chrysocoma* 20.

Sept. 20

Sept. 4 -

first range.

Hypoc. In Sunlight basin

Sept. 1893

Yellowstone Nat. Park (dry hillsides) Aug. 16

Timber Reserve (Sunlight Basin) Sept. 5

After journey fresh clumps

337 *Platanus Hippias* Lehm.

338 *Salix rostrata* Richardson

near camp 20

339 *Chrysothamnus argenteus* Pursh

340 *Salix desertorum* Richardson

341 *Baccharis Americana* L. & R.

On the sides of peaks

342 *Ribes cereum* L.

On the banks of Elk Creek

343 *Ribes mallo*

On the banks of Elk Creek

344 *Loiseleuria* L.

On the banks of Elk Creek

345 *Juniperus Parryi* Gray

346 *Saxifraga Vaccaria* L.

347 *Sambucus racemosa*

348 *Oxyria digyna* Campden

Sept. 6 1893

16 in diameter 15 ft high

Sept. 6.

12 ft high

Sept 6 1893

Jointed Bark 1/2 ft
fruit redish.

Sept 7 1893

Billings Mont

July 28 1893

Camp 14

Aug. 26

Aug. 28

✓
✓ 349 *Symphoricarpos occidentalis* Hook

✓
✓ 350 *Pentstemon confertus* var. *coeruleo-purpureus* Gray.

✓
✓ 351 *Aster pulchellus* Eaton

✓
✓ 352 *Moneses uniflora* Gray

✓
✓ 353 *Pyrola chlorantha* Swartz.

✓
✓ 354 *Aplopappus acaulis* var. *glebatus* Eaton

✓
✓ 355 *Abies lasiocarpa*, Nutt.

✓
✓ 356 *Alnus incana* var. *virescens* Watson

✓
✓ 357 *Arabis Lemmonii* Watson.

✓
✓ 358 *Ranunculus Escholtzii*, Schlecht.

✓
✓ 359 *Eriophyllum caespitosum* var. *integerrimum*

✓
✓ 360 *Aplopappus suffruticosus* Gray

The Needles

Aug 28

Aug 10, 13, 19, 31

Aug. 26

Aug. 28

near Camp 13

Aug. 23

~~Along Granddall creek~~

Aug. 20 26

Headwaters of Cash Creek.

Aug. 27

Aug. 26

Aug. 18

✓
361 *Symphoricarpos occidentalis* Hook

✓
363 *Agrostis scabra* Willd.

362 *Lygadenus elegans* Pursh
near 249

✓
364 *Angelica pinnata* Watson

✓
365 *Betula glandulosa* Mich.

✓
366 *Anemone multifida* Poir.

✓
367 *Lychnis Drummondii* Watson

✓
368 *Collinsia pauciflora* Dougl

✓
369 *Spilanthes Romanoffiana* Cham

✓
370 *Arnica Chamissonis* Less

✓
371 *Vaccinium Myrtillus* var. *microphyllum*

✓
372 *Vaccinium myrtilloides* Hook.

Yellow. Nat. P. (on dry hill sides) Aug. 16

Near Camp 13 Hook Aug. 23

Near the mouth of Cache creek. Aug. 20.

On the way to Camp 12 Aug. 20

in the

Aug. 20

Aug. 19, 20, 16
Aug 20

Aug 27

Hook.

Aug 20 & 25

Aug ~~20~~ ²⁷

✓
373 *Draba alpina* L.
Lesquerella montana Watson

✓
374 *Draba* ~~*montana* Watson~~ *crassifolia* Graham

✓
375 *Epilobium alpinum* L.

✓
376 *Arabis perfoliata* Lam.

✓
377 *Draba* ^{*alpina* L.} ~~*vestita*~~ Gray

✓
378 *Arabis spatulata* Nutt.

✓
379 *Arabis Lyalli* Watson

✓
380 *Astragalus alpinus* L.
with 391

✓
381 *Androsace septentrionalis*

✓
382 *Salix Brownii* var. *petraea*

✓
383 *Cerastium arvense* L.

✓
384 *Senecio serra* Hook.

Aug. ³¹ 10

Aug. 31.

July 28-29.

Aug 31

Aug. 31.

Aug. 26

Aug. 26

Aug. 26

Aug 25 & 26

✓ 385 *Potentilla Platanensis* Nutt

✓ 386 *Arabis Lyalli* Watson.

✓ 387 *Arabis Lyalli* Watson

✓ 388 *Sedum stenophyllum* Pursh

✓ 389 *Chrysanthemum ovalifolium* Nutt.

✓ 390 *Polymonium humilis* var. *pulchellum* L.

✓ 391 *Peucedanum coul* Watson

✓ 392 *Saxifraga ovalaris* L

✓ 393 *Arabis Lyalli* Watson

✓ 394 *Arenaria* ~~*biflora* var. *carnosula*~~ ^{*Sajanensis* var. *carnosula*}

✓ 395 *Senecio lugens* Richards?

✓ 396 *Lonicera Utahensis* Watson

Aug. 26

Aug. 31.

Aug. 31

Aug. 26

Aug. 26

Camp 14

Camp 14

Aug 26 / 93

Aug. 26

Aug. 31.

Aug. 26.

(Robinson. ined)

Camp 13

Aug 22

- ✓ 397 *Arabis Lyalli* Watson.
 ✓ 398 *Senecio lugens* Richards?
 ✓ 399 *Arabis Lemmonii* Watson (399a, b)
 ✓ 400 *Monolepis chenopodioides* Moq.
 ✓ 401 *Lemna trisulcata* L
 with 399 + 400
 ✓ 402 *Helianthella uniflora* J. & S.
 ✓ 403 *Pyrus sambucifolia* C. & S.
 ✓ 404 *Salix Barclayi* Anders
 ✓ 405 *Amica foliosa* Nutt
 ✓ 406 *Salix lasiandra* var. *Fendleriana* B.
 ✓ 407 *Epilobium suffruticosum* Nutt.
 ✓ 408 *Viola Canadensis* L

Aug. 31-

Timber Reserve, nr top Boatjack Peak - Aug. 31-

Between Camp 12 + 13

Aug. 12

Aug. 20

Aug 21

Sept. 2

Aug. 19.

Aug. 20

Aug. 20.

Camp 13

Soda Butte Creek

August 23.

✓ 409 *Linnaea borealis* Gronov.

✓ 410 *Saponaria Vaccarina* L.

✓ 411 *Eriogonum cernuum* var *tenue* J & G

✓ 412 *Picea Englemanni* Engelm.

✓ 413 = 412

✓ 414 = 412

✓ 415 *Abies lasiocarpa* Nutt.

✓ 416 *Arceuthobium latifolia* Bong

✓ 417 *Parnassia fimbriata* Banks

✓ 418 *Chrysopsis villosus* Nutt

✓ 419 *Carex atrata* L.
on HH 5

✓ 420 *Moneses uniflora* Gray
Collected by Philip Balla Lee

Mont

Aug. 22

Aug. 6

Marquette

Aug 6

Aug 11

Aug 13

Aug. 14

Yellowstone National Park.

Aug. 16

Aug. 13

Aug 10

July 27

Sept 8

✓ 421 *Zygadenus elegans* Pursh
near 144 + 420

✓ 422 *Lycinus Drimmondii* Watson

✓ 423 *Iris Missouriensis* Nutt
In meadow.

✓ 424 *Ranunculus Eschscholtzii*, Schlecht.

✓ 425 ~~Atriplex~~ *Chenopodium album* L

✓ 426 *Delphinium scopulorum* Gray

✓ 427 *Arabis Lemmonii*, Watson

✓ 428 *Helianthella quinquevallis* Gray

✓ 429 *Cerastium arvense* L

✓ 430 *Ostragalus alpinus* L
with 235

✓ 431 *Valisneria spiralis* Banks

✓ 432 *Carex atrata* L

Aug. 9

mineral

Belknap's Upper Ranch

Aug. 6.

Aug. 19

near Camp 11

Aug. 12

Sept 3

Yellowstone Nat. Park.

Aug. 13

Aug 13

Camp 11.

Aug. 17.

Camp 11

Aug 19

Camp 13

Aug. 23

Aug. 19.

✓433 Juncus Mertensianus Bong

✓434 Peucedanum cuneatum Watson

✓435 Erigeron ursinus, Eaton?

✓436 Taximom glaucum Nutt

✓437 Potentilla norvegica, L.

✓438 Astragalus campestris Gray
with 203 gracile

✓439 Hieracium albiflorum Hook
with 152 + 219

✓440 Draba gracilis Adams.

✓441 Asperula flavescens Watson

✓442 Arabis ^{one} Drummondii Graham

✓443 = 442

✓444 Arabis sp.

Aug 19

Aug 16

Aug. 6¹⁰

Aug. 18

Aug 9 - 21, 26

Aug. 26

Sept.

near Camp 14.

Aug. 26

Aug.

✓
445 *Arabis Lemmonii* Watson

✓
446 *Antennaria*

✓
447 *Senecio Fiamonti* J & S

✓
448 *Townsendia Parryi*, Eaton.

✓
449 *Cystopteris fragilis*, B.

✓
450 *Carex festiva*, Dew

✓
451 *Senecio* sp.

✓
452 *Antennaria* sp.

✓
453 *Draba stenoloba* Ledeb.
montana Watson.

✓
454 *Aster canescens* var. *viscosus* B.

✓
455 *Draba crassifolia* Graham.

✓
456 *Antennaria racemosa* Hook.

Aug. 18.

Aug. 28.

Aug. 28.

On high mountain south of Camp 14 -- Aug. 30.

Aug. 19.

Aug. 19.

Aug. 26.

✓
✓ 457 *Claytonia Chamissonis* Esch

✓
✓ 458 *Oreopis* sp

✓
✓ 459 *Draba glacialis* Adams.

✓
✓ 460 *Gutierrezia Euthamiae* T. & G.

✓
✓ 461 *Artemisia scopulorum* Gray

✓
✓ 462 *Salix Brownii*, var. *petraea* - Bebb.

✓
✓ 463 *Arabis Drummondii* Graham

✓
✓ 464 *Juncoides spicatum*, Kunth.

✓
✓ 465 *Salix atrata* L.

✓
✓ 466 *Amica longifolia* Eaton

✓
✓ 467 *Lvesia Gordonii* T. & G.

✓
✓ 468 *Dodecatheon jeffreyi* var. *alpina* Gray
pauciflorum Greene

Along Pelican creek

Aug. 17

Sept. 10

Aug. 19

Aug. 14.

Aug 9.

Aug. 14

Aug. 13 & 14

Aug. 10

August 10

Between Camps 4 & 5

✓
✓ 469 *Carex festiva* Dew.

✓
✓ 470 *Juncus longistylis* Torr.

✓
✓ 471 *Aspidium Felix mas* var *meisum* Nutt.

✓
✓ 472 *Bouteloua oligostachya* (Nutt.) Gray

✓
✓ 473 *Symphoricarpos occidentalis* Hook

✓
✓ 474 *Gilia pumila* Nutt

✓
✓ 475 *Malvastrum coccineum* Gray

✓
✓ 476 *Osmorhiza nuda*, Torr.

✓
✓ 477 *Angelica pinnata* Watson
with 247

✓
✓ 478 *Angelica Lyallii* Watson

✓
✓ 479 *Penicellum cuneatum* Watson
with 236

✓
✓ 480 *Stellaria longifolia* Muhl.
Goldie.
with 177

Red Lodge

Northwestern Wyoming (Clark's P. O.) Sept. 10

Red Lodge

Clark's

Clark's P. O. Wyo.

Camp 13, Montana

Red Lodge, Mont
In a swamp.

Aug 7

Sept. 11

July 29

Sept 10

Sept. 10

Aug. 8

Aug. 23 / 1893

Sept. 11 "

Aug. 19 "

Aug. 12 "

- ✓ 481 *Stellaria umbellata* Juncz
- ✓ 482 ^{with #376} ~~*Arenaria*~~ *Stallii* Pax -
Arenaria biflora var *congesta* Nutt
- ✓ 483 *Arenaria* ^{with #235} ~~*longifolia*~~ *Sajanensis* Willd
- ✓ 484 *Arenaria congesta* Nutt
- ✓ 485 *Arenaria congesta* Nutt.
^{with 237}
- ✓ 486 *Arenaria cerastium arvense* L
- ✓ 487 *Sagina Linnaea* Presl
- ✓ 488 *Silene acaulis* Hook
- ✓ 489 *Viola canina* ^{var} *Muhlbergii* Gray
^{with 175}
- ✓ 490 *Calliandra pygmaea* Gray
^{with 183}
- ✓ 491 *Calliandra pygmaea* Gray
^{with 434}
- ✓ 492 *Trifolium longipes* Nutt
^{with 230}

- Aug 20
- Aug 19
- Aug 13
- Red Lodge — July 27
- Red Lodge — July 29
- Camp 4 — Aug. 9.
- Red Lodge — July 29
- Camp 6 — Aug. 12
- Aug. 13
- Aug. 16
- Aug 18

493 *Lupinus caespitosa* Nutt

494 *Astragalus tagetarius* Watson
with 183

495 *Astragalus tagetarius* Watson
with 236

496 *Oxytropis splendens* Dougl.
with 216

497 *Oxytropis splendens* Dougl
with 239

498 *Rhus aromatica* var *triloba* Jacq

499 *Populus tremuloides* Michx

500 *Populus monilifera* Ait

501 *Sarcobatus vermiculatus* Torr

502 *Atriplex Nuttallii* Watson

503 *Monolepis chenopodioides* Moq

504 *Shepherdia Canadensis* Nutt

Camp 11.

August 18

August 13

Aug. 19

Aug. 17

August 26

Sept. 10

July 23

July 23

Sept. 10

Sept. 10

July 29

Aug. 8

Billings, Mont.

Billings Mont

Red Lodge
About 10 miles from the town,
Clarks

Red Lodge
Beyond Camp 12

Near Camp 3

✓ 505 *Shepherdia canadensis* Nutt.

✓ 506 *Shepherdia argentea*, Nutt.

✓ 507 *Cystopteris fragilis* Bernh

✓ 508 *Botrychium Lunaria* L

✓ 509 ~~*Calochortus Gunnisoni* Nutt~~ *Fritillaria* -
with 211

✓ 510 *Zygadenus elegans* Pursh.

✓ 511 *Zygadenus elegans* Pursh
with 283

✓ 512 *Yucca* ~~*arborescens*~~

✓ 513 *Smilacina stellata* Desf

✓ 514 *Spiranthes Romangoffiana* Cham
with 192

✓ 515 " "

✓ 516 " "
with 170

Red Lodge

July 29

Aug. 8

On the Thunder,

Aug 24

Camp 6

Aug. 11,

pucida Spreng.

Aug 16

Red Lodge

July 29

near Camp 14

Aug. 26

On the desert

Sept 9

Red Lodge

July 29

Aug. 17

✓ 517 *Fritillaria atropurpurea* Nutt.

✓ 518 *Gentiana Fowoodii* Gray

✓ 519 *Gentiana serrata* Greene

✓ 520 *Gentiana Ammailla* var *acuta*

✓ 521 *Phacelia sericeus* Gray

✓ 522 *Phacelia sericeus* Gray

✓ 523 *Solanum rostratum* Dunal

✓ 524 *Lycopus simulacrus* Ell
In valley

✓ 525 *Dodecatheon jeffreyi* var *alpina*

✓ 526 = 525 *paniculatum* Greene

✓ 527 *Androsace septentrionalis* L

✓ 528 *Lymphocarpus occidentalis* Hook

Red Lodge

Pellican Creek

near Camp 5

near Camp 3

Between Camps 3 & 4

Between Camps 4 & 5

Transythe Mont

Red Lodge

near Camp 11

near Camp 14

near Camp 11

Red Lodge

July 28

Aug. 17

Aug 10 & 11

Aug. 11

Aug. 9

Aug 13

July 23

July 29

Aug 19

Aug. 26

Aug. 19

Spt 11

- ✓ 529 *Valeriana sylvatica* Banks
 ✓ 530 *Juncus confusus*, Coville
 ✓ 531 *Peucedanum coulteri* Watson
 ✓ 532 = 531
 ✓ 533 *Cymopterus terbinthinus* J. & G.
 ✓ 534 *Juncoides spicatum* Kunth
 ✓ 535 *Juncus Mertensianus*, Bong.
 ✓ 536 *Juncus rhiphioides* var. *montanus* Engelm.
 ✓ 537 *Juncus subtriflorus* Coville
 ✓ 538 *Lychnis Drummondii* Watson
 ✓ 539 *Cerastium alpinum* var. *Behringianum* Regel
 ✓ 540 *Cerastium arvense* L.

S Montana near Camp 13

Clarks Fork Valley

Aug 23

Sept 3

Aug 29

Aug 31

Sept. 7

Aug. 26

Aug 8

Aug 29

Aug. 22

Sept. 7

Aug. 31

✓
✓
541 *Crastium arvense* L

✓
✓
542 *Arenaria* ^{*Japonensis* Willd} ~~*biflora*~~ *canonula* Watson.

✓
✓
543 *Spraguea umbellata* Torr.

✓
✓
544 *Claytonia megarrhiza* Parry

✓
✓
545 *Viola Nuttallii* Pursh

✓
✓
546 *Sedum stenopetalum* Pursh

✓
✓
547 = 546 " " "

✓
✓
548 *Sedum Rhodiola* DC.

✓
✓
549 *Tupolum Andersoni* Nutt

✓
✓
550 *Oxytropis viscida* Nutt

✓
✓
551 *Astragalus frigidus* var *Americanus* Nutt

✓
✓
552 ^{*Lupinus*} *Astragalus argenteus* var *decumbens* Nutt

Aug. 31

Aug 31(?)

Aug. 29

Aug. 31

Sept 3

Aug. 31

Sept 7

Aug. 31

Sept 7

Aug. 31

Sept 3

Aug 30



- 533 *Placcha cincta* Jacqf.
 534 *Campanula rotundifolia* L.
 535 *Gentiana Forwoodii* Gray
 556 *Salix candida*
 557 *Salix monticola* Bebb?
 558 *Salix Brownii*, var. *petraea*
 559 *Symphoricarpos occidentalis* Hook
 560 = 539
 561 = 539
 562 *Lonicera Uta hensis* Watson
 563 ~~*Gallium triflorum* Michx.~~
 Eriogonum ovalifolium
 564 *Zygadenus elegans* Pursh

Sept. 4

Aug. 31

Sept. 2

Sept. 3

Sept. 2

Aug. 31

Sept. 3

Sept. 4

Sept. 1

Aug. 30

~~Sept. 2~~

Sept. 6

Sept. 3

✓✓ 565 *Prosartes trachycarpus* Watson

✓✓ 566 *Cystopteris fragilis* Bernh

✓✓ 567 *Equisetum pratense* Ehrh

✓✓ 568 *Scirpus lacustris* L.

✓✓ 569 *Carex atrata* L. in situ

✓✓ 570 *Carex atrata* L.

✓✓ 571 *Carex atrata* L.

✓✓ 572 *Populus angustifolia* James in situ

✓✓ 573 *Juniperus communis* var *alpina* Guad

✓✓ 574 = 573

✓✓ 575 = 573

✓✓ 576 *Juniperus Virginiana* L.

Sept. 7

Aug. 31

July 26

Sept. 3

Aug. 29

Aug. 10

Aug. 13

Sept. 1

Sept. 2

Sept. 6

Aug. 31

Sept. 2

On the high divide

On Brandell creek

✓ 577 = 576

✓ 578 *Juniperus Sabina* var *procumbens* Pursh

✓ 579 = 578

✓ 580 *Pseudotsuga Douglasii* Carr.

✓ 581 *Abies lasiocarpa*, Mill.

✓ 582 = 581

✓ 583 *Picea Englemanni* Engelm

✓ 584 = 583

✓ 585 *Pinus Murrayana* Balfour

✓ 586 *Pinus flexilis* James

✓ 587 *Pinus albicaulis* Engelm

✓ 588 *Polygonum Tenore Michx*

Sept 2

Sept. 5

Sept. 8

Aug 31

Aug 11

Aug. 31

Aug. 31

Sept. 6

Aug 11, 93

Aug 31

Aug. 31

July 28

Red Lodge

- 589 *Polygonum Douglasii*, Greene
- 590 " *convolvulus* L.
- 591 " *littorale*, Link.
- 592 " *Douglasii* Greene, var. *latifolium* (Engelm.) Greene
- 593 " *bistortoides*, Pursh, approaching the var. *linearifolium*.
- 594 *Eriogonum ovalifolium* Nutt
with 147
- 595 *Eriogonum umbellatum* Torr
- 596 *Eriogonum umbellatum* var. *monocephalum* J.E.G.
- 597 *Pyrola chlorantha* Swartz
with 144
- 598 *Pyrola pecta* Smith
- 599 *Ledum glandulosum* Nutt
- 600 *Rayanthus empetrifolius* Gray

On Clear Creek

Red Lodge

Red Lodge

Camp 4

Yellowstone National Park

Between Camps 3 & 4

"

"

Aug. 16

July 28

July 29

Aug. 9

Aug.

Aug. 9

Aug 9

Aug. 9

Aug 9

Aug. 31

Aug 15

Aug. 10

✓
✓ 601 *Polemonium humile* var *pulehellum* Gray

✓
✓ 602 = 601

✓
✓ 603 *Chamaetholix erecta* Buzze

✓
✓ 604 *Gilia congesta* Hook

✓
✓ 605 ~~*Epilobium alpinum* L.~~
~~*Myrica glomerata* Gray~~
with 297

✓
✓ 606 *Mertensia alpina* Don

✓
✓ 607 = 603

✓
✓ 608 *Veronica alpina* L

✓
✓ 609 = 608

✓
✓ 610 *Mimulus Lewisii* Pursh

✓
✓ 611 *Oreocaulus pilosa* Watson

✓
✓ 612 *Pentstemon Lyallii*

Aug 28

Aug. 31

Sept. 6

Aug. 31

~~Aug 31~~

Aug. 14

Aug. 19

Aug. 11

Aug. 12

Aug. 9

- ✓ 613 *Pentstemon decatus* Dougl.
 ✓ 614 *Epilobium suffruticosum* Nutt.
 ✓ 615 *Epilobium labifolium* L.
 ✓ 616 *Epilobium clavatum* Trelease.
 ✓ 617 *Gayofytum ramosissimum* T & G.
 ✓ 618 *Epilobium paniculatum* Nutt.
 ✓ 619 *Oenothera biennis* L.
 ✓ 620 *Ribes viscosissimum* Pursh.
 ~~*sanguineum* var. *variegatum*~~
 ✓ 621 *Ribes* "
 ✓ 622 *Ribes laciniatum* var. *parvulum* Engelm.
 ✓ 623 = 622
 ✓ 624 *Ribes molle*

- Aug 30
 Sept 7
 Aug 9
 Aug. 29
 Aug. 12
 Camp 19
 July 29 Red Lodge
 Red Lodge Mount
 July 29
 Sept 4
 Aug. 8
 Sept. 6
 Aug. 26

625 - Ribes cereum Dougl.

626 = 625

627 = 625

628 Ribes

629 Parnassia palustris L

630 Parnassia fimbriata Banks

631 Saxifraga nivalis L

632 Saxifraga caespitosa L

633 Saxifraga cuneolata L

634 Polygonum imbricatum Nutt

635 Rubus Nutkanus Mocino

636 Geranium macrophyllum Willd

Camp 3

Red Lodge

Aug 9 Camp 4 / 23

Aug. 8

Sept. 2

Aug. 30

Sept 7

July 27

Aug. 19

Aug 19

Aug. 31

Aug 24

Aug. 9

July 27

Sept 4

✓
637 *Potentilla gracilis* Dougl.

✓
638 *Salix desertorum* Rich

✓
639 *Salix rostrata* Richardson

✓
640 *Rosa Sayi* Schwein.

✓
641 = 640

✓
642 *Rosa Nutkana* Paed

✓
643 = 642

✓
644 = 642

✓
645- *Potentilla dissecta* Pursh

✓
646 = 645

✓
647 = 645

✓
648 *Pentstemon montanum* Greene

Sept 6

Sept. 3

Aug. 20

Aug. 30

Sept 6

Sept 4

Sept 8

Sept 10

Aug. 26

Aug 31 = -

✓
649 *Anemone patens* var *huttallii* Gray

✓
650 *Ranunculus cymbalaria* Pursh

✓
651 *Draba glacialis* Adams

✓
652 *Draba* ^{*crassifolia* Graham} ~~*membracea* var *leiocarpa* Lindbl~~

✓
653 *Draba* ^{*nivalis* var. *elongata* Watson} ~~*sterioloba* Ledeb~~

✓
654 *Draba* ~~*montana* Watson~~ *crassifolia* Graham.

✓
655 *Bigelovia Douglasii* var. *tortuifolia* Gray

✓
656 *Bigelovia* ^{= 657} ~~*Douglasii* Gray~~

✓
657 " *graveolens* Gray var *glabrata* Gr.

✓
658 " " var *latisquamis*

✓
659 " " *albicaulis* Gray

✓
660 = 659

July 27

Aug. 23

Aug. 31

Aug 9

Aug 14-24

Aug. 27

Sept 6

Sept 10

Sept 8

Sept 10

Sept 8-10

Sept. 3 ~

✓
✓
661 *Artemisia scopulorum* Gray

✓
✓
662 " *cana* Pursh

✓
✓
663 " *frigida* Mill.

✓
✓
664 " *Ludoviciana* Nutt

✓
✓
665 " *borealis* Roll

✓
✓
666 *Chaenactis Douglasii* var *alpina* Gray

✓
✓
667 *Aplopappus acaulis* var *glabatus* Eaton

✓
✓
668 *Antennaria racemosa* Hook
with 205

✓
✓
669 *Madia glomerata* Hook

✓
✓
670 *Balsamorhiza sagittata* Nutt

✓
✓
671 *Franeria Hookeriana* Nutt

✓
✓
672 ~~Artemisia~~ ^{ntennaria} *alpina* Eaton

Aug. 31/93

Sept. 10

Sept 5

July 29, Sept 10

Sept. 7

Aug 17

Aug 26

Aug 10

July 24

July 29

Sept 8

Aug 19

Red Lodge

- 673 *Antennaria alpina* Gaertn
 674 *Antennaria dioica*, Gaertn.
 675 *Anaphalis margaritacea* Bth
 676 *Hieracium Scouleri* Hook
 677 " *umbellatum* Michx
 678 " *albiflorum* Hook
 with 209
 679 *Taraxicum officinale* Heber
 680 *Crepis occidentalis* Nutt
 681 *Troximon glaucum* Nutt
 682 *Aphlophaps lanceolatus* T. & G.
 683 *Senecio aureus* var *croceus* Gray
 684 *Erigeron Bonforus* var

Aug. 29.
 Aug. 16
 Sept 11
 July to Sept
 July 28
 Aug. 15~
 Aug. 9
 Aug. 16
 July 29
 Sept 10
 Sept 4
 Aug 9, 31

6685 = 684

6686 *Erigeron compositus* var *discolor* Gr.

6687 *Aster tanacetifolius* HBK

6688 *Aster elegans* T. & G.

6689 *Poa rupestris* Vasey.

6690 *Arabis Drummondii* fide W. M. Emery

6691 *Draba ~~renata~~ alpina* -

6692 *Festuca ovina* var. *brevifolia* Watson

6693 *Poa arida* Vasey

6694 *Poa purpurascens* Vasey.

6695 *Agropyrum Scribneri* Vasey.

6696 *Festuca ovina* var. *brevifolia* Watson

Aug 13 & 19

Aug. 13

Sept 10

Sept 5

Timber Reserve (high Mt. meadow) Aug 31.

" " 11 Aug. 18.

Yellowstone Nat. Park. Aug. 7

Timber Reserve Aug.

Timber Reserve Aug. 29.

Timber Reserve (high Mts. betw. Cache & Grandall crs.) Aug. 29.

Timber Reserve (Bootjack Peak) Aug. 31.

Timber Reserve (near top of Bootjack Peak.) Aug. 31.

- 697 *Festuca ovina* var. *brevifolia* Wa.
 698 *Bromus breviaristatus* Thurb.
 699 *Agrostis canina* L.
 700 *Agrostis humilis* Vasey.
 701 *Poa reflexa* Vasey & Scribner.
 702 *Alopecurus geniculatus* L.
 703 *Poa alpina* L.
 704 *Townsendia incana* Nutt.
 705 *Marchantia polymorpha*, L.
 706 *Hypnum restile* Michx.
 707 *Mnium punctatum* Hedw.
 708 *Orthotrichum anomalum*

- Yellowstone Nat. Park (above Camp 7) Aug. 14
 Timber Reserve (dry creek bottom) Sept. 4
 Yellowstone Nat. P. Aug. 16.
 Yellow. Nat. P. (north of Camp 11, high mt.) Aug. 19.
 Yellow. Nat. Park (near top of Mtn. Nth. of Camp 11) Aug. 19.
 Yellowstone N. P. (North of Camp 11) Aug. 19.
 Yellow. Nat. Park (North of Camp 11) Aug. 19.
 Yellowstone Nat. Park Aug. 19.
 Northwestern Wyoming (near Camp 3) Aug. 8.
 Southern Montana Aug. 22.
 " " Sept. 11
 Timber Reserve

- | | | |
|---|------------------------|----------|
| ✓ 709. <i>Aulacomnium palustre</i> var. <i>imbricatum</i> . | Timber Reserve | Aug. 31. |
| ✓ 710 <i>Polytrichum gracile</i> Nees. | Northwestern Wyoming | Aug. 25- |
| ✓ 711 <i>Polytrichum juniperum</i> Willd. | Timber Reserve. | Aug. 9. |
| ✓ 712 <i>Distichium capillaceum</i> B. & S. | Yellowstone Nat. Park. | Aug. 19. |
| ✓ 713 <i>Hypnum fluitans</i> L. | Timber Reserve. | Aug. 31 |
| ✓ 714 <i>Bryum caespitium</i> | Timber Reserve. | Aug. 8 |
| ✓ 715 <i>Webera nutans</i> | Southern Montana | July 29. |
| ✓ 716 <i>Grimmia calyptrata</i> Hook | " " | July 28. |
| ✓ 717 <i>Distichium capillaceum</i> B. & S. | Yellowstone Nat. Park. | Aug. 8. |
| ✓ 718 <i>Polytrichum piliferum</i> Schreb. | Timber Reserve | Aug. 31. |
| ✓ 719 <i>Distichium capillaceum</i> B. & S. | Yellowstone Nat. Park. | Aug. 24 |
| ✓ 720 <i>Saxifraga integrofolia</i> Hook | Y NPark. | Aug. 19 |

✓ 721. *Buellia geographica* Tuck.

Timber Reserve (on rocks near Rootjack peak) Aug. 3.

✓ 722. *Lecanora rubina*, var. *opaca*^{ach.}
with the above.

" " " 31

✓ 723. *Stereocaulon tomentosum* L.
with the above.

" " " 31

✓ 724. *Placodium elegans*, Dc.
with the above.

" " " 31

✓ 725. *Uromyces hedysari obscuri* Dc.

Timber Reserve Sept. 7.

✓ 726. *Puccinia scandica* Johans.

Yellowstone Nat. Park Aug. 14.

✓ 727. *Chrysomya goeppertiana* Kuhn.

Northwest Wyoming Aug. 26.

✓ 728. *Chrysomya piriolae* Rostr.

" " Aug. 8.

✓ 729. *Cylindrosporium equisetum*.

" " Sept. 7.

✓ 730. *Puccinia aberrans* Peck

Yellowstone Nat. Park. Aug. 14.

✓ 731 = 730

Aug. 13.

✓ 732. *Fusicladium* B & Br.

Southern Montana. Sept. 11

- | | | |
|---|------------------------|----------|
| ✓ 733. <i>Puccinia acrophila</i> Peck | Northwestern Wyoming | Aug. 26. |
| ✓ 734 <i>Puccinia gerani-silvatici</i> , Karst. | Southern Montana | Aug. 28. |
| ✓ 735 <i>Puccinia saxifragae</i> Schlecht. | Yellowstone Nat. Park | Aug. 14. |
| ✓ 736 <i>Urocystis anemones</i> | | |
| ✓ 737. <i>Puccinia drabicola</i> | Butte Park | Aug. 31. |
| ✓ 738. <i>Puccinia congregata</i> E. & H. | Northwestern Wyoming | Aug. 26 |
| ✓ 739 <i>Bartramia ithyphylla</i> Brid | Yellowstone Nat. Park. | Aug. 14. |
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816. *Luspedeza striata* H. + A.

6 817 *Cassia nictitans* L.

6 818 *Strophostyles peduncularis* Ell.

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6 826 *Lepedeza procumbens* Michx.

6 827 *Dicopylea capillacea* DC.

828 *Merbonia ciliaris* (Muhlent.) Schindl.

6 829 *Hydrocotyle*

6 830 *Meibomia ochrotenica* (Curt.) O. Ktze

6 831 *Danicula*

6 832 *Hibiscus moschutos* L.

6 833 *Meibomia lineata* (Muhl.) O. Ktze

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6 836 *Lespedeza reticulata* Pers.

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+ *M. paniculata* (L.) O. Ktze

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6 854 *Strophostyles angulosa* Ell.

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6 863 *Kosteletzkia virginica* Gray.

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See next Book

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The ...
= R. ...

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... = R. ...

Plants collected

by
J. R. Ross.

[Faint, illegible handwriting on the right page, possibly bleed-through from the reverse side.]

1105

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- 1101 *Agave washingtonensis* Baker & Rose
 1102 *Agave attenuata* Salms Dyck
 1103 *Gomoea nelsoni* Rose
 1104 *Anoda acutifolia* DC.
 1105 *Roseanthus albiflorus* Cogn.
 1106 *Momordica Zeylanica* Muller
 1107 *Anoda Thunbergii* Gray
 1108 *Hydroclia*
 1109 *Sida*
 1110 *Rhynchosia phaseoloides* DC.
 1111 *Anoda pubescens* Schlecht.
 1112 *Spananthe paniculata* Jacq

- Bot. Gard. 1897
 Botanic Garden. Washington DC.
 1897
 Green House of Dept Agr. Washington DC.
 = Palmer's 1863, 1891. Jan. 1897
 Cultured from Mex. can seed. Washington DC.
 = Palmer's no 909 (1890) 1896
 Cultured from Mexican seed. Washington DC.
 = Palmer's no. (1895)
 Cultured from Mexican seed Washington DC.
 = Palmer's no 533 (1895)
 Cultured from Mex. Bound. seed. " "
 = E. A. Means no (1893)
 " " Mex. seed. " "
 = Nelson's no 2882 (189)
 = " " " " " "
 = E. Palmer's no 222 (1895)
 E. W. no.
 = Nelson's 2052 (1894)
 = Nelson's no (18) Mex. 1897
 " " " "
 = Nelson's no 2101 (1894) 1896

1124 *Callisia repens* L.

1125 *Synotia bicolor* Durak

1126 *Agave*

1127 *Agave* ~~max~~

1128 *Sedum ternatum* Michx.

1129 *Sedum nevii* Gray

1130 *Rhoeo discolor* Hance

1131 *Agave potatorum* Zuccar.

1132 " *Taylori* Hook

1133 " *Wardii* Jacq.

1134 *Sporonema fragans* Lindl.
(Commelinaceae)

Common in greenhouses

1897

Green House, Dept Agric.

1897

Cultivated from seed ~~sent~~ Cape of Good Hope

Cultivated in Bot. Gard.

1897

" " " "

"

Green House Dept Agric

1897

Transplanted from Cumberland Ind.

" " " "

1897

" " " "

Botanical Gardens Washington DC

1897

" " " "

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" " " "

Green House of Dept Agr.

1897

1135 Agave santori C. Koch.
Spike only

1134a Allium serratum Watson
4039

~~1135~~ Ochna multiflora L.
not in herb

1136 Stelitzia ovata Bregand.
not in herb

1137 Myrphaea rubra Roxb.

1138 " Mexicana Zucc.

1139 " Zanzibariensis Casp. var rosea
flowers are colored
not in herb

1140 " Zanzibariensis, var.
flowers violet
not in herb

1141 Zygadenus paniculatus Watson?
bulbs sent to Bot Gard & Agr.

1142 Commelina

1143 Tradescantia brevifolia Rose

Bot Garden

1897

Col. by H.C. Chipman San Jose Cal.
April 1897

Bot. Garden

April 12 1897

" " " " "
Native of the Cape of Good Hope
Bot Garden

1897

Root stalk and young plant.

Bot Gard.

cluster of tubers

Collected by H.C. Chipman San Jose Cal.
April 1897

1897

Young plants for University Pa
Green House Dept Agr

1897

✓ 1144 *Tradescantia*
^{1st drawing made from this sp.}

1145 *Eregma barbosa* Nutt

1146 *Phacelia Covillea* Watson

✓ 1147 *Dicentra canadensis* L

✓ 1148 *Trollium sessile*

✓ 1149 *Cryptonion albidum* Nutt

✓ 1150 *Bloomeria coccinea* ^(Goult) Coville & Z

✓ 1151 *Silene maritima* Nutt

✓ 1152 *Lamium amplexicaule* L.

✓ 1153 " " "

flowers white

✓ 1154 *Asarum virginicum* L

Green House Dept of Agr 1897
 Specimens sent from Indisobly, Texas.
 Plummer Is Ind. April 23/897

" " "

" " "

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Green House Dept of Agr. 1897
 Bulbs combs from Solidad Cal.

Both said 1897

Specimens obtained by Mr. G. Oliver in Scotland
 a weed in Both said

" " " " "

Wilmington D.C. 1897
 Communicated to J. Rose by Mr. G. Oliver

- 110 1153[✓] *Tradescantia* = c²
110 1156[✓] " = c⁸
110 1157[✓] " *Phoenixis* Roy c¹
110 1158[✓] " = c³ c⁴
110 1159[✓] "
110 1160[✓] *Ranunculus hispidus* Michx.
110 1161 *Agave albicans* Jacobi
110 1162 " *Purysii* Engelm.
110 1163 "
110 1164 "
110 1165 "
110 1166 "

San Antonio Texas April 2/897
Specimens sent by H. R. Arnold.
" " "
Indusky Texas April 6/897
H. Murglow
Specimens sent by Otto Locke
New Brunswick Texas April 14/897
Chevy Chase D.C. May 2/897
Bot. Gard. 1897
" " "

1167 Agave

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1170 Agave

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1176 *Oreobroma Tweedii* Howell

1177 *Antennaria neglecta* Greene

Sent by A. J. Johnson Astoria Oregon
Washington D.C. May 23/97

110 1178. *Dasy leuion*

110 1179.

110 1180. *Cythna crista-galli* L

110 1181. *Dasy leuion*

hunk 2 ft high

110 1182. "

110 1183. "

110 1184. "

110 1185. "

110 1186. —

110 1187. *Phacelia* ~~Agave~~

110 1188. *Phacelia Sphaeralcea pedatifida* (Gray) Gray.

Bot. Garden

Washington D.C. 10-22/97

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10-23/97

Greenhouse, Dept. of Agriculture.

Oct.

1897.

Seed collected by Dr. Nelson at Mangonito

San Blas, Tep. June 1/97

El Paso Tex. June 1/97

1189. *Sphaeralcea angustifolia cuspidata* Gray. 7
 Ny. J. W. S. ^{Mex.} ~~Am. Mex.~~ Herb. Gr. Kew.

1190. *Prosopis juliflora* (Swartz) DC

1191. *Chilopsis linearis* (Cav.) Sweet

Mex

1192.

1193. *Riddellia tagetina* Nutt.

J. W. S. Herb. Gr. Kew.

1194.

1195. *Porophyllum scoparium* Gray.

1196.

1197. *Ferdusa ruficola* C. & L.

1198. *Nicotiana trigonophylla* Dun.

1199. *Agave palmeri* Engelm.

Kew Nov 34

El Paso, Tex. June 1

Baird, May 31.

El Paso Tex

Mr. Franklin, El Paso, June 1

El Paso - June 1

Mr. Franklin, El Paso, June 1

El Paso Tex

June 1 1897

1200. *Agave Palmieri* Engelm. *Herb. Gr. Kew.*
1201. *Baselonia Palmieri* Watson *Herb. Gr.*
1202. *Physalis Fendleri* Gray. *Herb. Gr. Kew.*
1203. *Pithecolobium sonora* Watson. *Herb. Gr. Kew.*
1204. *Couratella glandulosa* Gray
1205. *Melochia arida* Rose sp. nov. ✓
Melochia Gray Mex.
1206. *Passiflora foetida arida* Masters & Rose, n. sp. ✓
Passiflora Gray ~~Mex~~ N.Y.
1207. *Equis fasciculatus* Watson. *Herb. Gr. Kew.*
1208. *Sida hederacea* Torr.
1209. *Sphaeralcea arida* Rose, n. sp. ✓
1209a " Gray, Mex. N.Y.
1210. *Physalis Wrightii* Gray.
Physalis angulata L. *Herb. Gr.*

Nogales Mexico Jan 4 / 897

Guaymas Mexico June 5th 1897

South end of town in garden of Mr. Craff.

Common about the town

Shrubs 1 to 2 ft high, flowers fragrant

24 3 foot garden (see note)

Jan 7 1897

121

Guaymas, State of Sonora.

June 7, 1897

June 7

June 6+7/97

" 6+7/97

110 1211.

Lycium bartramianum

110 1212.

Cereus alomensis Coulter.*Cereus*

110 1213.

Cereus thurberii

110 1214.

Cereus schottii Engelm.

11 1215.

Echinocactus

11 1216.

Antigonon leptopus Hook & Arn.

Herb. Gr. Kew.

2af

11 1217.

Opuntia

11 1218.

Guaiacum✓
my

11 1219.

Cassia

11 1220.

Salpiglossis angustifolia oblongifolia Gray.*Salpiglossis angustifolia oblongifolia* Gray.

11 1221.

Nicotiana trigonophylla Dun.*Nicotiana*

Herb. Gr. Kew.

2af

- 110 1222. *Cassia sonora* Rose nsp. ✓
Cassia Mex. Gray
- 110 1223. *Indigofera*
- 110 1224. *Prosopis* Kew. Muhl. Nyl. Gray, Mex. ✓
4
- 110 1225. *Prosopis juliflora*
- 11 1226. *Alnus bellardiana* Muhl. Kew. Mex. ✓
- 11 1227. *Betula juncea* Greene. aut. J. M. G. ✓
Compositae - Muhl. Nyl. Kew. Mex. 1
- 11 1228. *Euphorbia*
- 11 1229. *Gutierrezia*
- 11 1230. *Euphorbia*
- 11 1231. *Asclepias* 1
- 11 1232. *Agave* 4
nem. Bonghi

Guaymas, State of Sonora.

June 6

Guaymas, State of Sonora.

June 6, 1897.

110 1233.

Broom's English

110 1234.

moniliform

110 1235.

*moniliform*110 1236. *Abrutylon crispum* Medic*Abrutylon crispum* Medic.11 1237. *Eupatorium sagittatum* Gray.*Aster like*

11 1238.

Molugo?

11 1239.

Sinosa

11 1240.

Aster

11 1241.

Melastoma

11 1242.

*Abrutylon*11 1243. *Baerhaavia sonora* Rose*Baerhaavia*

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my

Gwaymas, State of Sonora.

June, 6, 1897.

110 1244. *Solanum elaeagnifolium* Cav.
Solanum Amygdaloides

110 1245. *Blonella*

2

110 1246. *Cordia*

110 1247. *Acacia sonorensis* Rose, sp. nov.
Acacia Mex.

110 1248. *Nesselia*

1

110 1249. *Cordia*

3

110 1250. *Forchammeria Watsoni* Rose.
Forchammeria Watsoni Rose Herb. Gr.

110 1251. *Young shrub*

110 1252. *Argemone ochroleuca* Sweet.

110 1253. *Pomieria regia* L.

large leguminous tree Mex. Gray.

110 1254. *Abutilon incanum* (Link) Sweet.

Herb. Gr.

in ... 7/1/97
seeds only

June 8/97

Guaymas, State of Sonora.

June 8, 1897.

110 1255. Hibiscus coulteri Harvey

110 1256. Lycium Richii Torr.

110 1257. Petunia parviflora Juss.

110 1258.

110 1259.

110 1260. Opuntia

110 1261. " gosse liana Weber

110 1262. Horsfordia newberryi (Watson) Gray

110 1263.

110 1264. Pisonia capitata (B. Wats.) Standley

110 1265.

Mex

Info

Only living specimens

Trunk 52 in. in circumference.

Guaymas, State of Sonora,

June 8, 1897.

1266. *Euphorbia polycarpa* Beh.

Euphorbia

1267. *Nicotiana glauca* Graham.

Nicotiana

1268.

Viburnum

1269

Rosa?

1270

Bursaria macrophylla

1271.

Euphorbia?

1272. *Porophyllum brachypodium* Robinson
n. sp.

Porophyllum?

1273.

Hymenoclytus?

1274

Bursaria

1275.

Acridocarpus

1276.

Quercus?

Guaymas, State of Sonora.

110 1277. *Myrica*

110 1278. (no plant)

11279. *Caesalpinia*

Moßly ✓

110 1280.

11 1281. *Eragrostis purshii* Hort.

Spilasa (L.) Beauv. Kew. J. W. S. Mex. 7 sp.

11 1282

Harmon

11 1283.

Acanthaceae

11. 1284

Indagofur

11. 1285.

24

1286

Reynolds = 1294

1287

Feb 12

Gay ✓

110 1288. *Ruellia*110 1289. *Brickellia Coulteri* Gray.

110 1290.

110 1291.

11 1292. *Jatropha canescens* (Benth) Muell Arg. ✓
Mex11 1293. *Physalis Fendleri* Gray.11 1294. * *Misligenia costellata* Rose. sp. nov.
Mo. br. N.Y.11 1295. *Acacia occidentalis* Rose sp. nov.
Gr.

11 1296.

11 1297. *Argemone ochroleuca* Swat.11 1298. *Franseria ambrosioides* Cav.

Guaymas, State of Sonora.

June 5-11, 1897.

Between Tropic & Guaymas

110 1299. *Argemone munita* Dur. & Hilg.

110 1300. ✓

110 1301. Agave

110 1302. Agave americana

11 1303. Aloe

11 1304. Washingtonia Gr. N.Y. 2

11 1305. *Sphaeralcea californica* Rose. Brit. Mus. *Sphaeralcea californica* Rose

11 1306. *Gossypium barbadense* L. *Gossypium barbadense* L.

11 1307. *Asclepias albom.*

11 1308. Salix

11 1309. *Euphorbia mercuriana* Boiss. ✓
Euphorbia Gray Kew N.Y.

~~See Day Jan 12~~

Labry ^{2c} Jan 14 1897

A tree 4 ft high & peduncle & inflorescence
1 ft 20 ft high

from base of trunk
Two small plants taken up
at same place, 15 ft high

Many trees seen, 40 ft high, green inflorescence

24 specimens 5 ft high & flowers like rose

1 specimen 4 ft high

2 small trees along beach

on sandy beach

110 1310. *Lycium Richii* Torr.
Lycium

110 1311.
Abdomella

110 1312. *Encelia farinosa* Gray.
Viguiera

110 1313. *Sonchus oleraceus* L.
Sonchus

11 1314.
Lycium

11 1315.
Parkinsonia

11 1316.
Cassia

11 1317.
Compositae

11 1318. *Passiflora foetida arida* Masters & Rose. My.
Passiflora

11 1319
Acacia

11 1320.
Albura

110 1321. *Emilia sagittata* DC. (aut. J. M. G.)
Compositae

110 1322. *Apium annu* (Jacq.) Urban.
Apium leptophyllum

110 1323.
Isidolobus

110 1324. *Passiflora* My. Gray. ✓

110 1325. *Hibiscus schizopetalus* (Masters) Hook.
Hibiscus schizopetalus (Masters) Hook.

110 1326.
Barbarea

110 1327.
Pithecolobium dulce

110 1328.
Thymus

110 1329.
Zootropha

110 1330.
Leguminosae

110 1331.

110 1332. ✓

110 1333.

Heliotropium

110 1334.

Zygophyllum

110 1335.

*Croton*110 1336. *Abutilon crispum* Medic.*Abutilon crispum* Medic.

110 1337.

Rubus

110 1338.

Sonchus

110 1339.

Gonolobus

110 1340.

110 1341. *Lycium Richii* Torr.*Lycium*

Nysb. Gay, Mex.

110 1342.

Geophila

Altata June 15

La Paz, 11 14

Altata June 15

June 15

110 1343.

bean

110 1344.

Greens

110 1345.

Crotone

110 1346.

Lantana

110 1347.

Abonia maritima Nutt.

— Alronia

2
Gr. N.Y.

110 1348.

Crochodius

110 1349.

blue flower

✓
Kew.

110 1350.

Cypharia

110 1351.

Jatropha

110 1352.

locusts?

✓
N.Y. 3

110 1353.

Cordia

110 1354.

willow-like tree

110 1355.

Asclepias

110 1356.

Scutellaria

110 1357.

Commelina

110 1358.

110 1359.

Mist Almond

110 1360.

Lentum

110 1361.

110 1362.

Chenopodium

110 1363.

110 1364.

Pine apple like plant

110 1365.

Opuntia

110 1366.

Cafendene

110 1367.

Histichlis spicata (L.) Greene.*Grass*

110 1368.

Eupatorium sagittatum Gray.*Compositae**Herb. Gr.*

110 1369.

Heliotropium

110 1370.

Monanthochloe littoralis Engelm.*Grass*

110 1371.

Poa

110 1372.

Heliotropium *luteum*

110 1373.

Prosopis

110 1374.

Sporium

110 1375.

Heliotropium *viride*

- 1376. *Waltheria Americana* L. My. ✓
- 1377. *Sida acuta carpinifolia* (L.f.) Schum.
~~*Sida*~~ ^{*acuta*} ~~*carpinifolia*~~ (L.f.) Schum.
- 1378. *Celastrus*
- 1379. *Celastrus*
- 1380. *Anneslia sinaloana* B + R Type
- 1381. *Celastrus*
- 1382. *Celastrus*
- 1383. *Cephalocereus purpureus* B + R
- 1384. *Opuntia*
- 1385. *Cereus* *3-ribbed* B + R *(dead)*
- 1386. *Cereus* *kerberi*
red flowers

Magatlan June 17/97

flowers often around larger "trees"
 in *Brachyotum* etc

110 1387.

Apoecynaceae

110 1388.

bell shaped flowers

110 1389.

Ipomoea

110 1390.

Acanthaceae

110 1391.

Lysiloma microphylla Benth*Agave*

110 1392.

Ipomoea

110 1393.

Mimosa distachya Cav.*Mimosa (sp.)*

110 1394.

very flum

110 1395.

110 1396.

110 1397.

Barbarea

My

Shrub 6 ft high

leaves pointed oval

Shrub 15 ft high very fragrant

Yellow fruit in cultivation

In Plaza Rosario July 10 1897

Rosario

Rosario

July 11 1897
June 21 1897

110 1398.

Cassia

(2 bush - white)

My ✓

110 1399.

Acacia

Rosario

110 1400. *Perityle microglossa* Benth.

Perityle

Rosario

110 1401. *Cassia biflora*

Rosario June 20/97

110 1402. *Solanum madrense* Fernald.

Shrub 6 ft. high flowers large yellow

110 1403.

Chaptalia = 1403

large shrubby flowers white

110 1404.

Cassia = 1404

all shrub

110 1405.

Ipomoea

no flower large head seeds

110 1406.

Tree leaf Leg *Bauhinia*

110 1407. *Pisonia capitata* (S. Wats.) Standley

Pisonia

110 1408.

Sapindus

110 1409.

Ipomoea

110 1410.

Coriandrum sativum L.

Before

black of J.H.S.

110 1411.

Ipomoea

110 1412.

Ipomoea

110 1413.

Melip. vine

110 1414.

Ipomoea

110 1415.

Ipomoea

Mex

110 1416.

Combretum

110 1417.

Ipomoea

110 1418.

Gray. Mex. New. Mex.

110 1419.

Chico white. Rev. Gray. S.D. Ny. Mex
Chicle (gum)

Shrub - fringed with
top of large & square etc

yellow flowers large
Acapotea

Shrub 4 ft high

Shrub 2 ft high

Large tree with
fruit and bark

110 1420.

2

110 1421.

4

110 1422. Mimosa asperata L.

110 1423.

2

110 1424. Eclipta alba Hassk.

110 1425. Eryngium nasturtifolium Juss.

110 1426. Nicotiana plumbaginifolia Viv.

110 1427. Frida procumbens L.

110 1428. Guardiola Carinata Robinson, n. sp.

110 1429.

110 1430.

My.

low bush; flowers blue; near road

Shrub 1 ft high

June 22 + Aug 21
200 ft long
On mountain side Shrub 20 ft high
June 22

inf

inf

June 22

110 1431.

Frutales

My,

With beautiful orange colored flowers 1 1/2 in. diam.

110 1432.

Boat Land

from red; on cultivated ground

114 1433.

Handwritten signature

My Mex.

Sheet 6 to 7 for Long

11 1434.

Solanum Gravi Rose.

Herb. Sp.

of the cultivated ground; flowers white

11. 1435.

Sefer - 10

3

A long time

June 23.

11 12436.

flexuabul

11 1,1437.

Legum.

Large tree

11. 1438

Cedrela occidentalis C. DC. & Rose. sp. nov. 1
Cedrela St. L. my. my. g. 10. 8. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 8

St. L. my. my. g. 10.8. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 8

11. 1439.

Field Mus

Light red flowers blue

Tree 25 ft - high, 9 in. diameter

1440.

2

Apr 22nd

1441.

A long vine; fruit very large
on angles; seed large with yellow
pulp.

110 1442. *Zanthoxylum pterota* (L.) HBK.

Zanthoxylum

Herb. Gr.

110 1443. *Perityle microglossa* Benth.

Perityle

Herb. Gr. New.

110 1444. *Myrsine crassifolia* HBK.

Myrsine

My. Max

11 1445.

Sorapod.

My. Max ✓

11 1446.

Drac. small yellow fl.

1

11 1447.

" *large yellow fl.*

1

11 1448.

Acrost.

1

11 1449.

"

1

11 1450.

Calophyllum

11 1451. *Bombax palmeri* Watson.

Bombax palmeri Watson *Herb. Gr.*

11 1452.

Ficus

1

yellow yellow fl.

flowers blue

- 110 1453. *Asimina foetida* Rose.
Asimina foetida *Asimina*
- 110 1454.
"laevis"
- 110 1455. *Ampelopsis mexicana* Rose, n.sp. type.
- 11 1456.
- 11 1457.
Centropus
- 11 1458.
Heliconia
- 11 1459.
Arctostaphylos my.
- 11 1460.
Vitis? my. mex.
- 11 1461. *Solanum nigrum* L.
Solanum nigrum
- 11 1462.
- 11 1463.
"bucayana" St. L. Kew. Gray. mex. my.

top.

flowers

all other like one

large tree, yellow flowers like first flowers
 in clusters

June 25/1897

2 high clusters fruit black

- 110 1464. *Amorcanthus* sp. n. 2
- 110 1465. " B
- 110 1466. *Passiflora foetida* L. *Passiflora* *Herb. Ga.* 1
- " 1467. *Rhynchosia* ✓ 3
- " 1468. *Vigna* *Gay Mex. Ny.* 1
- " 1469. *Ipomoea*
- " 1470. *Althoea* *Mex. Ny.* ✓
- " 1471. ✓ *Gay. Ny. Mex.* ✓
- " 1472. *Urbesina pinnatifida* Cav. *Viguiera*
- " 1473. *Euphorbia* 2
- " 1474. *Crataeva* = see 1300 6

Large trees, smooth bark.

Small tree, fruit red.

Leaf tree, 30+ ft. 1 1/2 ft. in diameter; petals white with purple lines; flowers & buds purplish.

June 26 97

110 1475. Mimosa polyantha Smith.
Hort. Gr.

110 1476. Rosaceae

110 1477. fruit & long flowers white

11 1478.

11 1479. Thevetia?

11 1480.

11 1481. Aporosa dubia (Hook & Arn) Rose
Cucurbit. vine

11 1482.

yellow corolla

11 1483.

Rubus

11 1484.

fruit red with red

11 1485.

Vitex

2

10 ft low bush 3 ft high, flowering greenish.

a small shrub

a shrub 2 ft high

double like slender fl white

Shrub 12 ft high with wide spread top & trunk 6 ft. 7 in diam.

flowers white

1

1

8

a low bush 2 to 3 ft high

a tree sometimes 25 ft high

110 1486.

Apoc.

110 1487. *Alsechynomene simulans* Rose, n.sp.

Leonardonia

110 1488.

11 1489. *Hymenaea candoleana* H.B.K.

Tombesf. Mex.

11 1490.

Bumelia

11 1491. *Sida acuta carpinifolia* (L.f.) Schum.

Sida acuta carpinifolia (L.f.) Schum.

11 1492.

to thorny plant

11 1493.

Bumelia

11 1494. *Zephyranthes tepicensis* Greenman n.sp.

Zephyranthes

J.M.S. Herb. Gr. Kew.

11 1495. *Oniscus raphidifolius* Hemsl.

Oniscus

Herb. Gr.

11 1496.

Acetypha

5

Large tree

A small shrub, green infern ovary

very large tree

5

Herb. Gr.

lsp.

2

5

lsp.

lsp. A. in field

A. in field

June 21/97

June 27/97

- 110 1508. *Lonoxalis primavera* Rose sp. nov. ✓ 5
Oxalis N.Y. Mex. Gay, M.B. Kew 2
- 110 1509.
Begonia
- 110 1510.
- 11 1511.
 Yellow tree Called "Quah" in N.Y. 1
- 11 1512.
Smilax 2
- 11 1513. *Solanum refractum* Hook. & Arn. ✓
 Mex. 2
- 11 1514.
Rondeletia 1
- 11 1515. *Conocarpus polyandra* (HBK.) Rose
Sapota
- 11 1516.
Rondeletia
- 11 1517. ~~*Elephantopus scissatus* Juss.~~ St. L. Kew. ✓
Capparis cynophallophora L. N.Y. Mex. Mex.
- 11 1518.
Elephantopus Gay St. L. Kew, Mex. N.Y.

Flowers in dense clusters, white

Called "Quah"

Thorny leaves; orange fruit

Small white fls. tree 2 to 3 ft high

July 24

July 20th 97

Sanatorio de Tepic, Acaponeta.

14

High top herb vendors

Acaponeta

15

Tree 20 ft high

16

17

18

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110 11530. *Terebinthus arborea* Rose *sp. nov.* 4
Palmato *Al. Sr. Kew N.Y.*

110 11531.

Yucca

110 11532.

Acalypha

110 11533.

Orchid

110 11534.

St.

110 11535.

110 11536. *Zinnia linearis* Benth.

Stem

110 11537.

Urena

110 11538.

Stem

110 11539.

Opals

110 11540.

Hibiscus

Hibiscus

N.Y.

Territorio de Tepic, Acapulco to Concepcion. July 4,

Stem

between Concepcion - Rosario Sinaloa

Small pink flowers

Stem

Small of *Equisetum* Sinaloa

Stem

In field Equinox

Equisetum Sinaloa

Equisetum

flowers yellow

Rosario Sinaloa

flowers lemon yellow

July 6

July 5

July 6

July 7

110 1541. (*Panicum sanguinale ciliare* (Retz.) Vasey.
Syntherisma sanguinalis (L.) Dulac Herb. Gr.

110 1542. *Leptochloa mucronata* Kunth.

110 1543. *Paspalum paniculatum* L.

11 1544. *Panicum colonum* L.

Echinochloa colonum (L.) Link

11 1545. *Eragrostis pilosa* (L.) Beauv.
Purshii Schrad

St L. Gray N.Y. Mex.

11 1546.

Grass

11 1547. *Kallstroemia canescens* Rydberg
Liriodendron Gr.

11 1548. *Euphorbia pilulifera* L.
Euphorbia Kew. Gray, N.Y.

11 1549.

"

11 1550.

Sedge

11 1551.

Ranunc.

State of Pinaloa -

June July 7

" " " " " "

" " " " " "

" " " " " "

" " " " " "

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small yellow flowers

" " " " " "

" " " " " "

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bluish leaves and fruit

July 7,

2 - State of Sonora, Rosario.
mountains along front

July 6

July 7

3

2

2

4

2

5

1

thrusty at base; flowers blue

the yellow is a reflex

flowers white

110 1552.

Randia

110 1553.

Delonix

110 1554.

Celtis

11 1555.

Capparis

11 1556.

Croton

11 1557.

Croton

11 1558.

Hesperis

11 1559.

Heliconia like

11 1560.

Ardisia St. L. Gray, New, N.Y.

11 1561

Iron leaf Begonia

11 1562

Hesperis

110

1563.

Bafara

✓
My

State of Sinaloa, Rosario,
same locality

July 7.

110

1564.

Mimosa asperata L.
Mimosa

Herb. Gr.

Shrub with long branches fls pink

110

1565.

Wedelia acapulcensis HBK.
Compos

✓
My

Shrub at base fls yellow

110

1566.

Eupatorium albicaule laxius Robinson.

Kew, My.

Herb 5 ft high fls white

110

1567.

Low herb near water fls yellow

110

1568.

Melampodium Rosei Robinson var. *subintegrum* Rob. n. var.
Composita My. Herb. Gr. J. D. S. Kew.

Rob. n. var.

110

1569.

Friday procumbens L.

Herb. Gr.

up

July 6

110

1570.

Diphysa suberosa Watson.
Legum

Flowers yellow
very salt marsh

July 6

110

1571.

Chamaejasme

1

July 5

110

1572.

One large seed at base of the stalk

between *Passiflora* & *Rosario*

July 6

110

1573.

Zabumomera

2

Rosario

small tree 10 ft high

July 8

110 1574.

"Ara"

110 1575.

3

110 1576. *Natura meteloides* D.
Natura

110 1577. *Elephantopus spicatus* Juss.
Elephantopus

110 1578. *Baccharis glutinosa* Pers.
Baccharis *Mex. J. K.*

110 1579. *Ampelopsis mexicana* Rose, n-sp-type

1

110 1580.

Lantana

110 1581.

3

Catalpa = 10 ft? "Parachi"

110 1582.

Cassia

my

2

110 1583.

Bignonia hirta

110 1584.

Hamamelis indica St L. Mex.

State of Durango. — — — — — Rosario.

July 8.

large tree flowers yellow

leaves — 4 fruit black

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State of Limaloa,
Rosario
July 10.
fls. pink, sepals 2

110 1585. * *Talinum attenuatum* Rose & Standley sp. nov.

110 1586. *Zanthoxylum pterota* (L.) HBK.

Herb. Gr. Kew.

110 1587. *Hippocratea pauciflora* Rose, n. sp.

Herb. Gr.

110 1588.

Euphorbia

110 1589.

Acahypha

110 1590.

110 1591.

Mimosa?

110 1592.

Cyrtandra

110 1593.

Plantago

110 1594.

Crass.

110 1595.

Cyrtandra

and the name

2 sp.

1 sp.

herb. bush, leaves pointed

shrub 2-3 ft high, leaves long

shrub 2-3 ft high

shrub 6 ft high

only in fruit, splitting - 2

shrub 10 ft high

small shrub

herb.

"

Plantago

July 11

110 1596.

110 1597. *Malvastrum tricuspidatum* Gray.
Malvastrum tricuspidatum Gray.

110 1598.

Legume *Alstonia*

mex ✓

11 1599.

11 1600. *Solanum verbascifolium* L.
Solanum Herb. Gr.

11 1601.

San guinea

11 1602. *Stenorrhynchus orchidoides* (Sw.) L. C. Rich
Aphyllon

11 1603 *Diphysa echinata* Rose
Legume inflated pod

sp. nov. 3
 Gr. N.Y.

11 1604.

11 1605. *Baccharia erecta* L.
Baccharia

Gr. N.Y.

11 1606 *Mimosa spinocarpa* Rose.
Mimosa spinocarpa

State of Tinaloa, Rosario.

July 11.

very common in cultivation; flowers red tubular.

2 yards

1 foot plant growing in water

Between Rosario & Colomas
 leaves peltate off high

July 12

- 110 1607. * *Thryallis tuberculata* Rose sp. nov. ✓
leptophylla Gray
- 110 1608. *Euphorbia* 2
- 110 1609. *Salvia aequidistans* Fernald, n. sp. ✓
Labata Mex. My. Kew. Herb. Gr.
- 11 1610. *Castilleja* 4
Crotalaria
- 11 1611. *Asplenium* My. Mex.
- 11 1612. *Turnera humifusa* (Presl) Endl.
Turnera J. L. B. Herb. Gr. Kew.
- 11 1613. *Coffea*
- 11 1614. *Leguminosae*
- 11 1615. *Acanthaceae* 1
- 11 1616. *Aschynomene similaris* Rose, n. sp. Kew.
Aschynomene similans Rose, n. sp. Herb. Gr.
- 11 1617. *Coffea* 3

State of Tinaloa, bet. Rosario & Colomas. July 12⁹⁵

Leaves palmate parted

3 sep.

2 sep.

- 110 1640. *Acalypha* 2
- 110 1641. *Acalypha* 1
- 110 1642. *Polypodium furfuraceum* Schlecht 2
fern Herb. Gr. Rose
- 11 1643. *Quercus aristata* 1
Oak (See note p. 32)
- 11 1644. " *circinata*
- 11 1645. " *refl.*
- 11 1646. " *grandifolia* 2
- 11 1647. " *phellosperma* 2
- 11 1648. *Quercus planipocula* 2
oak
- 11 1649. *Quercus* 2
- 11 1650. * *Lotoralis dichotoma* Rose 1
sp. nov. ✓
my

Foothills of the Sierra Madre, Sinaloa,
Bet. Rosario & Colomas.

July 13,

Foothills of Sierra Madre, near Colima, July 14

left high fls. purple & leaves 2 1/2 to 3 1/2 long

fls. yellow

110 1 1651. *Ionoxalis lanceolata* Small sp. nov. ✓
Oxalis *My*

110 1 1652.
Grass like

110 1 1653. *Cologania angustifolia* Kunth.
Legumin. *Herb. Gr.*

11 1 1654.
Herb. Gr.

11 1 1655.
Hypoxis

11 1 1656.

11 1 1657. *Ciper* Rosier C. DC. C. de Candolle. 1899.
Piper *Kew. Herb. Gr.*

11 1 1658.
Vine off. like

11 1 1659.
"Bejuco de caiman" Mezquites

11 1 1660. *Anneslia colimasensis* B + R 2
Calceolaria *Type*

11 1 1661.
Lonicera villosa

Foothills of the Sierra Madre, Tlaxcala.
more than 3 near Colomas.

July 14.

fls yellow

1st fls pink

fls triangular

2nd fls

small pink

small white off. high

- 110 1662. Magnolia
- 110 1663. Asclepias
- 110 1664. Euphorbia
- 11 1665. "Cuadrado"
- 11 1666. Cfr. Eryngium cymosum Salaz.
Eryngium
- 11 1667. Legume
- 11 1668.
- 11 1669. Bursaria
- 11 1670. *Terebinthus rubra Rose sp. nov.
Bursaria "Histe Colorado"
- 11 1671. pine
- 11 1672.

My ✓

Foothills of the Sierra Madre. Durango, July 14,
60 ft high, 15 in diameter; near Bolinas.

Leaves oblong; fruit stone

Tree, 12 ft high

Small tree 20 ft high

leaves small, bark green & fruit concolor

hardwood & used in long handles

fruit oblong, orange, shrub

110 1673.

orchid

110 1674.

orchid

110 1675.

✓

11 1676.

Heliotropium

11 1677.

Verbena Called "Verbena"

11 1678.

7

11 1679.

Kudzu

11 1680.

Ipomoea

11 1681.

Amona

11 1682.

Convolvulus

11 1683.

Luffa cylindrica (L) Roem

Luffa

Foothills of the Sierra Madre, Tinaloa, July 14
On trees near Colomas.

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oval fruit

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Shrub about 15 ft high

Tree, 30 ft high, large top, fragrant flowers

Climbing vine; fls white tinged with pink

In cultivation; fls yellow

- 110 1684. *Natura arborea* L.
Natura
- 110 1685. *Sporaea*
- 110 1686.
- 11 1687. *Panicum oaxacense* Steud.
Lasiacis procerrima (Hack.) Hitchc.
- 11 1688. *Taberna montana* *fls. white*
- 11 1689. *Sporaea*
- 11 1690.
- 11 1691. *Polypodium angustifolium* Sw.
- 11 1692. *Turnera ulmifolia caerulea* (DC.) Urb.
Molochia *fls. blue*
- 11 1693. *Sedg*
- 11 1694. *Heliconia*

Foot hills of the Sierra Madre, Oaxaca. July 15
 In cultivation near Colomas

Alt 3000 July 16
 leaves large purple when in flower

Leaves 5 fls white

2 to 3 ft high

Shrub 10 ft high

fls pink Alt 2800

fls dark & leaves thick

Growing in trees

near Colomas

14 ft

" " "

" " "

110 1695.

Calceolaria

110 1696.

Calceolaria

110 1697.

Calceolaria

110 1698. *Triumfetta deliscens* Rose *sp. nov.*

Like *Haleocarpus* but Gray, Mex, My.

110 1699.

Just veined flowers

110 1700.

"

110 1701.

Amorpha

110 1702.

Passiflora

110 1703.

fruit red

110 1704.

Passiflora

110 1705. *Ceiba grandiflora* Rose.

Ceiba grandiflora Rose. Mex Gray My
Call Kew, Mex.

2 Foot hills of the Sierra Madre, ^{Jenaloa,} alt 3000 ft July 16,
obovate leaves near Colomas.

1

folia rough.

leaves hairy

tree

Tree, 50 ft high

Tree 50 ft high under smooth bark
much to the

July 16.

Foot hills of the Sierra Madre, Sinaloa.
fls. of some yellow near Colomas.

4

2

1

1

8

My

- 110 1717. " "
- 110 1718. Agave ~~macranthera~~ ^{macranthera} ~~Lodae~~ ^{Lodae}
See small note top
- 110 1719. Corn-melons
- " 1720. red pods
- " 1721. m. m. m. m.
- " 1722. Verbena like
- " 1723. Malva parviflora L.
Malva parviflora L.
- " 1724. Cotton-herb
- " 1725. Lycopodium
- " 1726. Euphorbia heterophylla L.
Euphorbia
- " 1727. Salvia sinaloensis Fernald, n. sp.
S. sinaloensis
How. Herb. Gr.

Spurred at Colomas

Manate River

fruits light red

leaves covered at base

July 13 -

July 14 -

110 1728.

110 . 1729.

1730. *Petroselinum petroselinum* (L.) Karsten.

Parsley called "Penzil" Herb Yr.

1731. *Minna albiga* H. B.
(brackets exceptionally broad + obtuse.)

(leashlets exceptionally broad + obtuse)

11 1732.

11 1733.

Compendium

11 1734.

11. 1735. *Liabum coccineum* Rob.

Confidential

11 1726.

1737.

1738.

Foot hills of the Sierra Madre, Sinaloa.
Near Colomas.

Near Colomas.

lsp. pale yellow 2 ft high

104

Foothills of the Sierra Madre, Sinaloa, July 18,
 near Colomas

110 1739.

Commodore

110 1740. *Citrus medica* L.

Lemon

Herb. Gr.

110 1741.

2

11 1742.

2

Melfig

11 1743.

How. Herb. Gr.

Museniopsis percedanoides (HBK.) C. & R.

11 1744.

2

2 sp.

11 1745.

1

11 1746.

3

11 1747.

3

Melfig

11 1748.

3

11 1749.

to Malvaceae (Linn.)

100 30 ft high; fls in long racemes

fruit red, in bunches

100 30 ft high; fruit white

fls bell shaped

one fruit only

fls white

✓ Foothills of the Sierra Madre, Sinaloa.
Near Colomas.

July 18,

from 2 1/2 to 3 long & 2 deep.

Map. 100 25 ft high same long.

Small, 1/2 soft high 1 needle 5 cone small of bark

July 14

Albany July 17 1861

110	1750.	<i>Foranther</i>	
110	1751.	<i>Arenum</i>	
110	1752.	<i>Indelamed</i>	
11	1753.	<i>Calliandra laevis</i> Rose, n. sp.	
11	1754.	<i>Calliandra</i>	J. H. B. Herb. Gr. Kew. Mex. 3
11	1755.	<i>Poma</i>	3
11	1756.	<i>Quercus</i>	2
11	1757.	<i>Quercus glaucescens</i>	1
11	1758.	<i>Quercus coffeaeicolor</i>	M. Gr. Kew. 5 Bali & Mo.
11	1759.	<i>Enterolobium cyclocarpum</i> (Jacq.) Swartz, 4	Reg. M. Gr. Kew. Mo.
11	1760.	<i>Euphorbia Braziliensis</i> Lam.	Mex, Gay, Kew, My. ✓

110 175 1768 Opalis

110 17⁵ 1762 Bromelia

17: 1763
Kahn

17: 1764

" 17: 1765 Melkewend

" 7: 175th Ocean unit

" 17 1767 Ficus
" "Bignonia"
1718

17. 1768
Greenfield

17 1769 *Cuphea trichopetala* Rose, n. sp.

17: 1770

1777.71

1772

Foothills of the Sierra Madre Suraboa. July 17 C
Near Colomas. D

from her. spec. to room and
near Plommas at 85 12 July 18

Shrub 3' high fls yellow cuplets 3

J
 K

4427
 4427
 4427

W " " " "

Colonus July 22

of the concrete

" " " " " "
 1893

" " " " "

Worms and

the Beaver present

Foot hills of the Sierra Madre, Sinaloa.
Near Colomas.

July 20

D
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110 / 1773

110 17⁵ 1774

2

17. 1775

✓ Transplant.

17: 1776 *Cecropia mexicana* Humboldt

11 17: 1777 *Solanum madrense* Fernald.
1777a *Solanum madrense* Fernald.

17: 1778 *Dryopteris martinicensis* (Spreng.) Kuntze

Hand Gr. New:

" 17 1779. *Dahlia Coccinea* Cav.
Dahlia

11. 17. 1780

1781 *Deanea glauca* C. & R. sp. nov.

Frederick

1842

17: 1782

17 1783

Small of c

1784. *Scutellaria Rosei* Fernald n. sp.

Shubert's J.H.B. Gr. 4. New.

Foothills of the Sierra Madre Sinaloa.
Near Bolamos.

July 20.

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|-----|----|------|---|-----------------------|
| 110 | 1 | 1785 | Yucca | 1 |
| | | | Euphorbia | |
| 110 | 7 | 1786 | Calea palmieri Gray. | |
| | | | Comps. | J.W.B. Herb. Gr. Kew. |
| 110 | 17 | 1787 | | 1 |
| | | | Asclepias ?? | |
| 11 | 17 | 1788 | Euphorbia orthocarpus (Gray) Wats. | |
| | | | Agave | Mark. Gr. Kew. |
| 11 | 17 | 1789 | | |
| | | | ✓ | |
| 11 | 17 | 1790 | ✓ | 1 |
| 11 | 17 | 1791 | Acacia orthocarpus Benth. & Hook. | 2 |
| | | | Mimosa | M. G. Kew. |
| 11 | 17 | 1792 | | 2 |
| | | | Cofol. sem. pale. m. m. | |
| 11 | 17 | 1793 | | 3 |
| | | | Bulb. | |
| 11 | 17 | 1794 | | |
| | | | Orchid | |
| 11 | 17 | 1795 | | 1 |
| | | | Podag. | |
| 11 | 17 | 1796 | | |
| | | | Erythrina | |

July 20,

Foothills of the Sierra Madre, Sinaloa.
further west near Colomas.

July 18

July 21

found: *Stenactis* (Hutchinson)

Stenactis

Stenactis

Stenactis

Stenactis

July 21

H
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1797 ✓

1798 *Stenactis*

1799 *Gellera*

1800 *Stenactis*

1801 *Stenactis*

1802 *Stenactis*

1803 *Stenactis*

1804 *Stenactis*

* 1805 *Mimosa eurycaufoides* Rob.
near Mimosa

1806 *Hechtia suaveolens* Morr.?

1807 *Stenactis*

1808 *Pellaea rigida* (Sw.) Hook.

1

1

2

My.

2

1

My.

Kew Mex. My.

Hook. Ex.

14p

1809a *Pellaea angustifolia* (HBK) Baker
 1809b *Pellaea angustifolia* (HBK) Baker.

1810
Cereus

1811
Agave

1812
Indurina

1813 *Persia gratissima* Baertn.

1814 *Coulterophytum macrophyllum* Cr. R.
 sp. nov.

Isotoma longiflora Presl.

1817 *Solanum Grayi* Rose

1818 *Solanum*

1819 *Solanum refractum* Hook. & Arn.
Solanum

Foothills of the Sierra Madre, Sinaloa, July 19.
 Above Colomas.

July 21

near Rosario

July 20

July 14

Sinaloa
 July 21

July 22

a tall shrubby vine

J
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1831 *Lorndium*1832 *Euphorbia pilulifera* L.
Euphorbia

Mex. My. 6

1833

*Amaranthus*1834. *Panicum fasciculatum* Sw.*Grass*

Herb. Gr. Kew.

1835

Himantus

Gay Mex. Kew. My.

1836 *Solanum verbascifolium* L.*Solanum*

Herb. Gr.

1837

Cotyledon

1838

*Lomandra*1839 *Eupatorium albicaule* Laxius Robinson.*Compositae*

My. Kew. Mex.

1840 *Chaetochloa liebmanni* (Fourn.) Scribn.*Grass*

1841

Rhynchospora

St. L. Kew. My. Mex. Gay

San Rosario, Sinaloa.

July 24

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July 26.

Dinaloa, Rosario

Small 1 ft high plant

petals cream color spotted with magenta base

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proliferation of flowers in mid-July 27

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Dinaloa, near Rosario.

On the road to Acaponeta.

N
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W

1842 ~~Asimina~~ foetida Rose
Gay H.L. Mex. N.Y.

1843
Fuchsia Kew. Mex. N.Y.

1844 Boerhaavia viscosa Lag. & Rodr. 2
Boerhaavia Cal. Kew. Mex. N.Y. 1

1845
Moringa

1846
Bradburia

1847 Eragrostis purshii Host.
Grass Herb. Gr.

1848
off-top Fuchsia

1849
Cuscuta 2

1850
Mimulus 1

1851

1852 = 1829 Solanum deflexum Greenman.
J.B.S. Herb. Gr. Kew.

1853 *Talinum paniculatum* (Jacq.) Gaertn. 2
Gray N.Y.

1854
tern. deflexum

1855 1

1856 *Ambrosia artemisiifolia* L.
Raymond Herb. Gr. New.

1857 2
Culm. #

1858 *Citharexylum* 1 #
Field Mus.

1859 *Opuntia porteri* K. Brandg
Culm. Herb. Gr.

1860 1

1861 3
Acalypha

1862 1

1863 5
Lombia
Fornia

Sinaloa.

near Rosario, south of River July 27
On the road to Acaponeta.

Shrub

2 sp.

Herb. long spikes

inflorescences along the yellow

Between Rosario to Acaponeta July 27-29
for lat. and elev.

P
Q
R
S
T
U
V
W

110 1 1864 *Solanum Lambii* Fernald.
Solanum.

110 1 1865 2
Water plant

110 1 1866 2
Sedge

" 1 1867 *Sporobolus wrightii* Munro.
Herb. Gr. Rose

" 1 1868 1
Ranunc.

" 1 1869 1
Ranunc.

" 1 1870 6
Libidibia delerocarpa (Standl.) Rose
Shrub

" 1 1871 1
Cordia

" 1 1872 7
Cereus

" 1 1873 2
Legume

" 1 1874 2
Compositae

" 1 1875 2
Inkweed

Sinaloa, bet. Rosario & Acaponeta. July 28

" " " " " "

" " " " " "

" " " " " "

20p. tall marsh grass

" " " " " "

fls. in cyathes!

" " " " " "

fls. white

" " " " " "

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fls. white

" " " " " "

" " " " " "

lvs. large, pale, very pale beneath yellow

" " " " " "

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R
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2 - Dinaloa; bet. Rosario & Acaponeta.

July 28,

1877. *Dactyloctenium aegyptium* (L.) Willd.

1878 *Panicum stramineum* Hitchc. & Chase 2

St. L. Kew. Gray.

4

my

2

1883. *Panicum stramineum* Hitchc. & Chase

1884. *Panicum fasciculatum* Sw. *reticulatum* Torr.

1885 *Paspalum plicatulum* Michx.

J.M.S. Herb. Gr. Kew.

3

1887 *Ceiba casearia* Medic. (Kew.)

Ceiba casearia J.M.S. Herb. Gr. Kew. ^{mx.}

between Conception & Acaponeta ^{3 days} July 29
Sep.

S
T
U
V
W

Teritorio de Tepic, Ver. Concepcion Acaponeta. July 29, '97

- | | | | | |
|-----|----|------|--|-----------------|
| 110 | 1 | 1888 | <i>Calceola poliduchya</i> DC | 2 |
| 110 | 1 | 1889 | <i>Panicum stramineum</i> Hitchc. Chase
grass | My. Mex |
| 110 | 1 | 1890 | <i>Capsicum annuum acuminatum</i>
Red pepper | My. 1 |
| 110 | 1 | 1891 | | |
| 110 | 1 | 1892 | <i>Sida anomala</i> St. Hil.
<i>Sida anomala</i> St. Hil. | |
| 110 | 1 | 1893 | <i>Pectis sinaloensis</i> Fernald.
<i>Pectis</i> var <i>lanceifolia</i> Greene. | My. 1
2. var |
| 110 | 1 | 1894 | | 3 |
| 110 | 17 | 1895 | <i>Chonilla</i> New. Gray St. L. My. Mex | 4 |
| 110 | 17 | 1896 | <i>Lantana</i> | 2 |
| 110 | 17 | 1897 | <i>Ficus</i> | 1 |
| 110 | 17 | 1898 | <i>Humo</i> | 2 |

1899 *Cyperus inflexus* Muhl.
Sedge

vy. 2

Teritorio de Tepic, Cat. Concepcion (Capone) 20

1900 *Panicum leucochaetum* HBK.
Valota insularis (L.) Chase Herb. Gr. Kew.

1957

Remora

1902

Efforts.

1453

Sledge

Bouteloua hirsuta Lag.

1905- *Malva parviflora* L.

California

Copper

Sinaloa & Concepcion

Conapcion & Acaponeta.

the post: about 7 ft high

U
V
W

1911 Hibiscus manicot L.

Herb. Gr.

1912 ²/₇

Cassipourea

For Cultivation - Acapora
fls lemon, near to broad
leaves
fls yellow

110

110

110

11

11

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11

4284



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